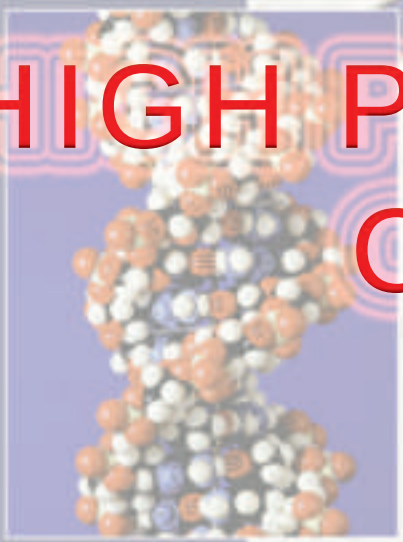
SEI™ SEI CHEMICAL



HIGH PERFORMANCE COATINGS

compatible

800-804-3978

universal

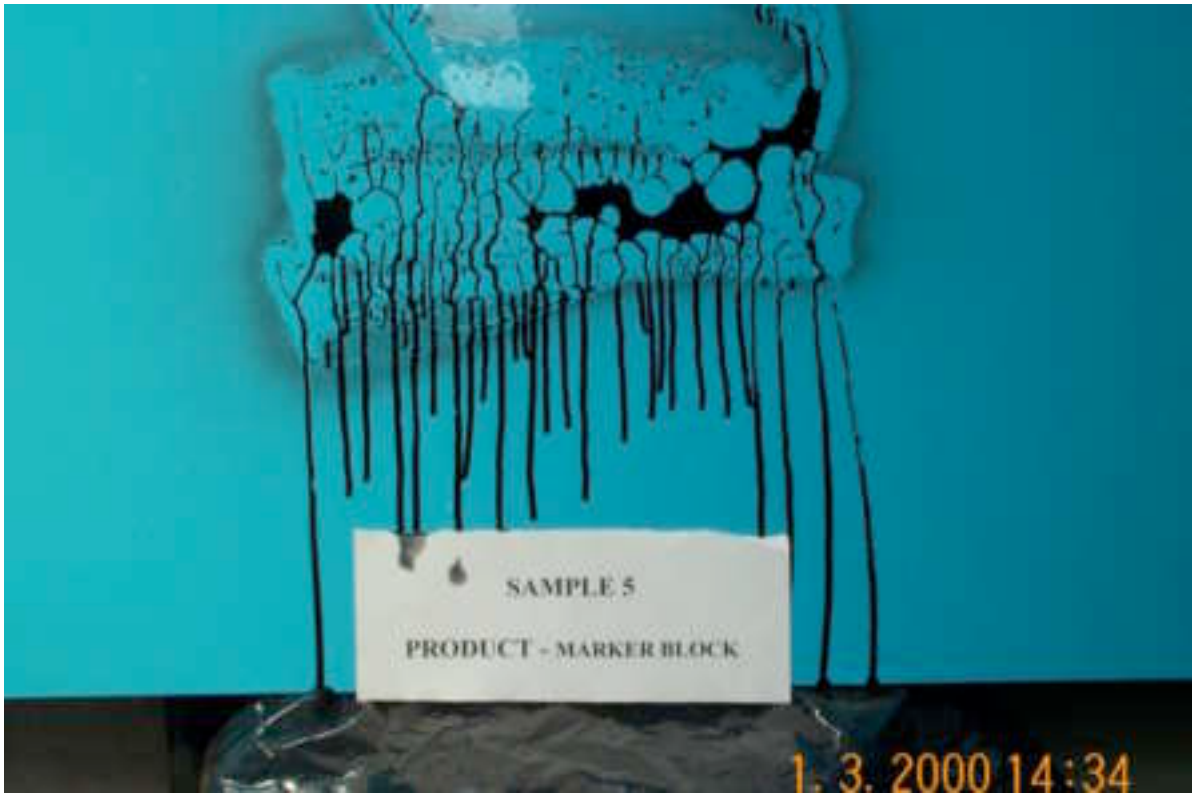
environmental

GRAFFITI MOLD CORROSION
BUILDING RESTORATION

ANTI GRAFFITI

GPA-200 Graffiti Proofer® Anti-Stick

Direct over a Painted Surface:



Direct over a Mural:

Direct over concrete:

GPC-101 Graffiti Proofer®

Concrete

GR-SYS Graffiti Remover SYS

Split Face Block

SEI GRAFFITI REMOVER SPRAY™

The SEI Graffiti Remover Spray utilizes SEI Technology™. This migratory chemistry fractures the molecular bonds in paints, lacquers, enamels, waxes and stains.

The SEI Graffiti Remover Spray migratory chemistry penetrates the graffiti and creates molecular space between the vandalism and the substrate, making the removal very easy.

The SEI Graffiti Remover Spray is VOC and Southern California Air Quality Management District (AQMD) compliant and was designed for maximum consumer safety. This product does not contain any chlorinated solvents, methanol or acetone.

Once the SEI Graffiti Remover Spray has penetrated the graffiti it can easily be removed by a flushing of water. The removal time varies from 45 seconds to 5 minutes, depending on the type of paint and amount of graffiti to be removed.

The SEI Graffiti Remover Spray is a multi-purpose environmental formulation and is effective on different types of paints, lacquers, enamels, waxes and marker.




Applications:

Can be used on: Concrete, wood, stucco, brick, stone, masonry, vinyl, lexan, plastic, glass, metal, and fiberglass.

Packaging:

12 oz. & 24 oz.
Aerosol or Trigger Spray Bottles.

Custom Sizes Available.

Advantages:

VOC compliant

AQMD compliant

Environmentally friendly

Non-toxic

Low odor

Not regulated by the Department of Transportation

Method of Application:

The SEI Graffiti Remover Spray should be applied using an airless sprayer, brush or roller. The SEI Graffiti Remover Spray should be applied over any graffiti or unwanted vandalism. Sufficient time, between 30 and 90 seconds, should be allowed for the product to migrate and penetrate the graffiti. After the SEI Graffiti Remover Spray has penetrated the graffiti, simply wash away with water.

See SEI Graffiti Remover Spray Product Data Sheet for further information

SEI™ ADVANCED CHEMICAL TECHNOLOGY™

Printed in Canada.

SEI CHEMICAL INC. 800-804-3978 www.seichemical.com

SEI GRAFFITI REMOVER GEL™

The SEI Graffiti Remover Gel utilizes SEI Technology™. This migratory chemistry fractures the molecular bonds in paints, lacquers, enamels, waxes and stains.

The SEI Graffiti Remover Gel migratory chemistry penetrates the graffiti and creates molecular space between the vandalism and the substrate, making the removal very easy.

The SEI Graffiti Remover Gel is VOC and Southern California Air Quality Management District (AQMD) compliant and was designed for maximum consumer safety. This product does not contain any chlorinated solvents, methanol or acetone.

After the SEI Graffiti Remover Gel has penetrated the graffiti it can be easily removed by flushing with water. The removal time varies from 5 minutes to 1 hour, depending on the type of graffiti and amount to be removed.

Applications:

Can be used on:
Concrete, wood, stucco, brick, stone, masonry, vinyl, lexan, plastic, glass, metal, and fiberglass.

Packaging:

Available in 5 or 55 gallon containers.

Custom Packaging Available.

Advantages:

VOC compliant

AQMD compliant

Environmentally friendly

Non-toxic

Low odor

Not regulated by the Department of Transportation

Method of Application:

The SEI Graffiti Remover Gel should be applied using a brush or roller. Sufficient time, between 5 minutes and 1 hour, should be allotted for the product to migrate and penetrate the vandalism. The graffiti should be washed away by flushing with water.

See SEI Graffiti Remover Gel Product Data Sheet for further information

SEI™ ADVANCED CHEMICAL TECHNOLOGY™

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SEI GRAFFITI REMOVER SYS™

The SEI Graffiti Remover SYS utilizes SEI Technology™. This migratory chemistry fractures the molecular bonds in paints, lacquers, enamels, waxes and stains.

The SEI Graffiti Remover SYS migratory chemistry penetrates the graffiti and creates molecular space between the vandalism and the substrate, making the removal very easy.

The SEI Graffiti Remover SYS is a multi-purpose formulation that has no chemical, physical, mechanical or esthetic affect on the SEI Graffiti Proofer or the SEI Graffiti Proofer & Concrete Curing Agent.

The SEI Graffiti Remover SYS is VOC and Southern California Air Quality Management District (AQMD) compliant and was designed for maximum consumer safety. This product does not contain any chlorinated solvents, methanol or acetone.




Advantages:

VOC compliant

AQMD compliant

Low odor

Not regulated by the Department of Transportation

Packaging:

12 oz. & 24 oz. Aerosol

Custom Packaging Available

Method of Application:

The SEI Graffiti Remover SYS should be applied over any graffiti or unwanted vandalism. Sufficient time, between 30 seconds and 90 seconds, should be allowed for the product to migrate and penetrate the graffiti. After the Graffiti Remover SYS has penetrated the graffiti simply wash away with water.

See SEI Graffiti Remover SYS Product Data Sheet for further information

SEI™ ADVANCED CHEMICAL TECHNOLOGY™

Printed in Canada.

SEI CHEMICAL INC. 800-804-3978 www.seichemical.com

SEI GRAFFITI PROOFER® & CURING AGENT™

The SEI Graffiti Proofer & Curing Agent is a penetrating, non-sacrificial, non-yellowing and non-glossy Graffiti Proofing treatment. This product is a certified and accredited concrete curing agent as specified by ASTM. This unique product will cure new concrete structures and will provide 100% graffiti protection all in one easy step. The SEI Graffiti Proofer & Curing Agent shows no deterioration from ultraviolet rays, ozone, salt spray or acid rain. SEI Graffiti Proofer & Curing Agent allows for expansion, contraction, building movement and temperature extremes. The SEI Graffiti Proofer & Curing Agent will allow moisture vapor to escape while not allowing moisture to enter the structure. This product is VOC & Southern California Air Quality Management District (AQMD) compliant, non-toxic, non-flammable and environmentally friendly.

The SEI Graffiti Proofer & Curing Agent is the best defense against graffiti when constructing a new structure. Solve the problem of graffiti and cure your structure in one step!

SEI Graffiti Proofer & Curing Agent was selected to be used on the largest Anti-graffiti coated structure in North America.

Find out today what North America's largest contractors already know.

How it Works:

The SEI Graffiti Proofer & Curing Agent should be applied to green concrete only. Once applied the product will both cure the concrete and provide unmatched 100% graffiti protection. Our proprietary SEI Technology™ cures the new structure and forms a complex molecular barrier in the pours of the substrate's surface, creating extensive graffiti protection. When graffiti is applied it is not physically on the substrate, it is on our proofer.

The SEI Graffiti Remover SYS. is sprayed onto the graffitied area and left to penetrate for 30 to 90 seconds. The SEI Graffiti Remover SYS active ingredients migrate and penetrate the graffiti creating molecular space between the vandalism and the substrate, making the removal very easy. The SEI Graffiti Remover SYS was chemically engineered not to have any chemical, physical, mechanical or esthetic affect on the SEI Graffiti Proofer & Curing Agent .

Advantages:

May be used on green concrete

VOC compliant

AQMD compliant

Certified and accredited as a concrete curing agent as specified by ASTM

Allows expansion and contraction

Can be applied to horizontal and vertical surfaces

Recommendations:

SEI Graffiti Proofer should be accepted as an anti-graffiti coating.

SEI Graffiti Proofer should be used as a graffiti proofer on new structures subjected to or considered to be susceptible to graffiti.

The SEI Graffiti Proofer is a two coat system

Graffiti must be removed with the SEI Graffiti Remover SYS followed by water.

See SEI Graffiti Proofer & Curing Agent Product Data Sheet for further information

SEI™ ADVANCED CHEMICAL TECHNOLOGY™

Printed in Canada.

SEI CHEMICAL INC. 800-804-3978 www.seichemical.com

SEI GRAFFITI PROOFER®

The SEI Graffiti Proofer, is a penetrating, non-sacrificial, non-yellowing and non-glossy Graffiti Proofing treatment. The SEI Graffiti Proofer shows no deterioration from ultra-violet rays, ozone, salt spray or acid rain. SEI Graffiti Proofer allows for expansion, contraction, building movement and temperature extremes. The SEI Graffiti Proofer will allow moisture vapor to escape while not allowing moisture to enter the structure. This product is VOC & Southern California Air Quality Management District (AQMD) compliant, non-toxic, non-flammable and environmentally friendly.

The SEI Graffiti Proofer is the best defense against graffiti. Remove Graffiti faster than it can be applied!

SEI Graffiti Proofer was selected to be used on the largest Anti-graffiti coated structure in North America.

Find out today what North America's largest contractors already know




How it Works:

The SEI Graffiti Proofer can be applied to any porous substrate that is susceptible to graffiti. Once applied our proprietary SEI Technology™ forms a complex molecular barrier in the pours of the substrate's surface, creating extensive Graffiti protection.

When graffiti is applied to a surface that is protected with the SEI Graffiti Proofer, the graffiti is not actually on the substrate, it is on our Proofer. The SEI Graffiti Remover SYS is sprayed onto the graffitied area and left to penetrate for 30 to 90 seconds. The SEI Graffiti Remover SYS active ingredients migrate and penetrate the graffiti creating molecular space between the vandalism and the substrate, making the removal very easy. The SEI Graffiti Remover SYS was chemically engineered not to have any chemical, physical, mechanical or esthetic affect on the SEI Graffiti Proofer.

Advantages:

Non-sacrificial,
Non-glossy, Non-yellowing

VOC compliant

AQMD compliant

Allows for expansion
and contraction

Can be applied to horizontal
and vertical surfaces

ASTM certified

Recommendations:

SEI Graffiti Proofer
should be accepted as
an anti-graffiti coating.

SEI Graffiti Proofer
should be used as a graffiti
proofer on existing structures
subjected to or considered to
be susceptible to graffiti.

The SEI Graffiti Proofer
is a two coat system

Graffiti must be removed
with the SEI Graffiti Remover
SYS followed by water.

See SEI Graffiti Proofer Product Data Sheet for further information

SEI™ ADVANCED CHEMICAL TECHNOLOGY™

Printed in Canada.

SEI CHEMICAL INC. 800-804-3978 www.seichemical.com

SEI GRAFFITI REMOVER TOWELS™

The SEI Graffiti Remover Towels utilize SEI Technology™. This migratory chemistry fractures the molecular bonds in paints, lacquers, enamels, waxes and stains.

The SEI Graffiti Remover Towels migratory chemistry penetrates the graffiti and creates molecular space between the vandalism and the substrate, making the removal very easy.

This formula was designed for maximum consumer safety and therefore does not contain methylene chloride, chlorinated solvents, methanol, toluene or acetone. One does not have to wear gloves when handling this product. The SEI Graffiti Remover Towels chemistry is completely non-toxic and the towel itself in biodegradable. The SEI Graffiti Removers are VOC and Southern California Air Quality Management District (AQMD) compliant.

The SEI Graffiti Remover Towels are also used for multi-purpose cleaning. They are effective on different types of paints, lacquers, enamels, markers, waxes, dirt, grit and grease.




Use Towels on:

Road Signs
Phone Booths
Buses & Bus Stops
Lamp Posts
Garbage Bins
Wall Tile
Desks
Trains
Billboards
Auto Finish
Lockers
Bathroom Partitions
Aluminum Fences
Siding
Painted Steel, Brick, or Concrete

Advantages:

VOC compliant

AQMD compliant

Non-toxic & Biodegradable

Safe to handle

Low odor

Non-flammable formula

Safe on reflective coatings and road signs

Not regulated by the Department of Transportation

Packaging:

12 or 40 Towel canisters are available as well as custom packaging.

Method of Application:

The SEI Graffiti Remover Towels can be used directly from the canister on any unwanted vandalism or any area that needs to be cleaned.

Unfold a towel and blot graffitied area, let stand 10 to 40 seconds.

Lightly scrub in a circular motion to remove graffiti.

See SEI Graffiti Remover Towels Product Data Sheet for further information

SEI™ ADVANCED CHEMICAL TECHNOLOGY™

Printed in Canada.

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SEI ANTI-STICK™ GRAFFITI PROOFER

SEI's Anti-Stick Graffiti Proofer is a durable, high-performance coating with extremely high slip characteristics. SEI's Anti-Stick will not allow graffiti, stickers or adhesives to adhere to the surfaces it protects. Highly-fluorinated, permanent, non-yellowing and durable, this product is the only Graffiti Deterrent Coating on the market today.

Removing graffiti has never been so easy.

When a vandal sprays graffiti on a surface that has been protected with SEI Anti-Stick Graffiti Proofer, one quickly sees the paint crawling together and running off of the surface, often deterring the vandal from continuing further. The paint can then be easily wiped away, leaving a completely clean surface.

Highly durable, this coating shows no deterioration from ultraviolet rays, ozone, salt spray or a variety of acids including HCL, even after years of service. This product is VOC and Southern California Air Quality Management District (AQMD) compliant.

SEI Anti-Stick Graffiti Proofer is available in both clear-coat and colored formulations. Paint your buses, mailboxes, light standards, street furniture, portable outhouses, garbage bins, schools, bridges, trains, subways, trucks, etc. with the SEI Anti-Stick Graffiti Proofer and make graffiti a problem of the past.

Clear coat your street signs, concrete, wood, etc. and easily deal with graffiti.

Use on all painted surfaces and murals

Anti-Stick Graffiti Proof Paint in any color

Use on concrete paint cannot adhere and runs off

How it Works:

The SEI Anti-Stick Graffiti Proofer can be applied to any porous or non-porous surface by dip, spray, brush or roll. Once the coating cures, SEI's migratory fluorinated technology bonds to the substrate creating a permanent high slip surface. This extremely durable coating will not allow graffiti, stickers, adhesives, dirt or grime adhere.

Advantages:

May be used on any porous or non-porous surface
May be used on any painted or unpainted surface
Will not allow graffiti, stickers or adhesives to adhere
Permanent - will last 30 years
Comes in clear or in any color
VOC compliant
AQMD compliant
Allows expansion and contraction and has a substantial perm rate
Can be applied to horizontal and vertical surfaces

Applications:

All surfaces - concrete, brick, stucco, wood, metal, plastics, marble, etc.
Exterior walls
Interior walls
Bathroom stalls
Street and road signs
Mailboxes
Garbage bins
Light Standards
Street furniture
City buses
Truck fleets
Train cars
Any porous or non-porous surface
Any painted or unpainted surface
Any surface susceptible to vandalism

See SEI Anti-Stick Graffiti Proofer Product Data Sheet for further information

SEI™ ADVANCED CHEMICAL TECHNOLOGY™

Printed in Canada.

SEI CHEMICAL 800-804-3978 www.seichemical.com

SEI GRAFFITI PROOFER® & CONCRETE CURING AGENT
GPC-100

PRODUCT DESCRIPTION

- Non sacrificial graffiti proofer & certified concrete curing agent.
- May be used on green concrete as the product conditions the aggregate
- Allows expansion and contraction.
- Is a certified and accredited Concrete Curing Agent as specified by ASTM standards.
- Not affected by temperatures between -57.12C (-70F) to +206.08C (+40F).

COMPOSITION & MATERIALS

The GPC-100 is a professional, penetrating, permanent weatherproofing, graffiti proofing and curing agent treatment. GPC-100 migrates into the structure and conditions and bonds to the aggregate itself becoming one with the structure as the structure cures. The flurosiloxilane silane polymer in the GPC-100 adds extreme slip characteristics to the cured aggregate and does not allow paint, graffiti and other markings to bond and cure on the substrate. This product has been tested in all climates with no deterioration from ultraviolet rays, ozone, salt spray, acid rain, etc. The GPC-100 allows for expansion, contraction, building movement, temperature extremes, etc. The GPC-100 will allow moisture vapor to escape while not allowing moisture to enter the structure. This product is non-toxic, environmentally friendly, non-reactive and Personal Protection has been rated as a B.

LIMITATIONS

Product application must not be initiated during inclement weather or when precipitation appears imminent. Product must not be applied to wet, frozen or dirty surfaces. Product must not be applied over refrigerated tanks or buildings where a vapor barrier coating is required. Equipment and methods used in application of product must be in accordance with manufacturer's instructions and specifications.

APPLICATION GUIDLINESS

Surface Preparation:

1. The surface is to be cleaned and free of any foreign matter.
2. The product may be applied at any temperature above 40°F and as long as there is no frozen moisture in the substrate.

Application:

1. Thoroughly mix product before application.
2. Apply your first application of the product with an airless sprayer. Use a flood coat and apply liberally.
3. Apply the first coat of the GPC-100 and allow 24 hours for the GPC-100 to cure with the structure.
4. Apply a second coat 24 hours after the first coat. If a third coating is desired, dry time after the second coat will be approximately 2 – 3 hours.

Graffiti:

1. Remove graffiti as soon as possible after surface has been vandalized.
2. Success has been achieved by a spraying of the SEI Graffiti Remover SYS followed by a water washing or use of a rag, depending on scenario. See SEI Graffiti Remover SYS Product Data.

RECOMMENDATIONS

1. GPC-100 should be accepted as an ASTM certified concrete curing agent.
2. GPC-100 should be accepted as a non-sacrificial anti-graffitant.
3. GPC-100 should be used as an anti-graffitant on all new/green structures subjected to or considered to be targeted for graffiti.
4. The initial application of the GPC-100 should be a base application for cure purposes; then another application is necessary to complete the graffiti proofing coating system.
5. The surface must be clean and dry. Apply liberally to surface.
6. A continuing record should be kept of areas cleaned and protected, noting all cycles attained.
7. Graffiti must be removed with the SEI Graffiti Remover SYS followed by a water washing or use of a rag, depending on scenario. See SEI Graffiti Remover SYS Product Data. By using other paint strippers, one may dramatically decrease the number of cleaning cycles, void warranty and potentially ruin the GPC-100. The number of cleaning cycles depends on many factors, including type of graffiti, number of coats and porosity of substrate.
8. The GPC-100 is a certified and accredited Concrete Curing Agent as specified by ASTM

TECHNICAL SERVICES

Complete technical services and samples are available from SEI Chemical, Inc. and its manufacturer's affiliates. Service includes assistance in engineering, design, specification and application. SEI Graffiti Proofer® and Curing Agent may be used on concrete. SEI Graffiti Proofer and Curing Agent is designed for above grade application.

COVERAGE

Surface	Meters per Liter	Feet per gal
Exterior Brick	11.6-13.9	125-150
Concrete	9.2-18.5	150-250
Concrete Block	7.4-11.1	80-120
Stucco	11.6-18.5	125-200
Smooth Stone	13.9-18.5	150-250
Rough Wood	6.9-18.5	75-200

SEI Chemical, 19215 Parthenia St. Unit B. Northridge, California 91324
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SEI GRAFFITI PROOFER®
GPC-101

PRODUCT DESCRIPTION

- Non-sacrificial, non-yellowing, clear graffiti proof treatment.
- Allows expansion and contraction.
- Can be applied to horizontal, vertical and wear surfaces.
- Not affected by temperatures between -57.12C (-70F) to +206.08C (+40F).

COMPOSITION & MATERIALS

The GPC-101 is a professional, penetrating, permanent graffiti proofing treatment. This product penetrates and mechanically and chemically bonds to the pores of the substrate. GPC-101 incorporates a modified flurosiloxilane silane polymer that both penetrates the structure and builds a durable film. The modified polymer also has extremely high-slip characteristics and does not allow paint, graffiti and other markings to bond and cure on the substrate. This product has been tested in all climates with no deterioration from ultraviolet rays, ozone, salt spray, acid rain, etc. The GPC-101 allows for expansion, contraction, building movement, temperature extremes, etc. The GPC-101 will allow moisture vapor to escape while not allowing moisture to enter the structure. This product is non-toxic, environmentally friendly, non-reactive and personal protection has been rated as a B.

LIMITATIONS

Product application must not be initiated during inclement weather or when precipitation appears to be imminent Product must not be applied to wet, frozen or dirty surfaces.
Product must not be applied over refrigerated tanks or buildings where a vapor barrier coating is required. Product must be checked and reapplied as needed in the specific area that has undergone sandblasting or soda blasting. Equipment and methods used in application of product must be in accordance with manufacturer's instructions and specifications. Always apply test area before proceeding with entire application.

APPLICATION GUIDELINES

Surface Preparation:

The surface is to be cleaned and free of any foreign matter.
The product may be applied at any above 40°F in temperature and as long as there is no frozen moisture in the substrate. Product must be applied to a dry surface. Always apply test area before proceeding with entire application.

Application:

1. Thoroughly mix product before application.
2. Apply your first application of the product with an airless sprayer. Use a flood coat and apply liberally.
3. Allow the first coat of the GPC-101 to cure the structure for approximately 2 hours in ambient conditions.
4. Apply a second coat after the first coat.
5. Dry time should be approximately 2 hours hour in ambient conditions.

Graffiti:

1. Remove graffiti as soon as possible after surface has been vandalized.
2. Success has been achieved by a spraying of the SEI Graffiti Remover SYS followed by a water washing or use of a rag, depending on scenario. See SEI Graffiti Remover SYS Product Data.

RECOMMENDATIONS

1. GPC-101 should be accepted as an anti-graffitant.
2. GPC-101 should be used as an anti-graffitant on all structures subjected to or considered to be targeted for graffiti.
3. The surface must be clean and dry. Apply liberally to surface.
4. A continuing record should be kept of areas cleaned and protected, noting all cycles attained.
5. Graffiti must be removed with the SEI Graffiti Remover SYS followed by a water washing or use of a rag, depending on scenario. See SEI Graffiti Remover SYS Product Data. By using other paint strippers, one may dramatically decrease the number of cleaning cycles, void warranty and potentially ruin the GPC-101. The number of cleaning cycles depends on many factors, including type of graffiti, number of coats and porosity of substrate.

TECHNICAL SERVICE

Complete technical services and samples are available from SEI Chemical Inc. and its manufacturer's affiliates. Service includes assistance in engineering, design, specification and application. SEI Graffiti Proofer may be used on concrete. SEI Graffiti Proofer is designed for above-grade application.

COVERAGE

Surface	**Meters** Per 3.785 Liters	**Feet** Per Gallon
Exterior Brick	11.6-13.9	125-150
Concrete	9.2-18.5	150-250
Concrete Block	7.4-11.1	80-120
Stucco	11.6-18.5	125-200
Smooth Stone	13.9-18.5	150-250
Surfaces subject to abrasion (decks bridges, etc.)	9.2-13.9	100-150
Rough Wood	6.9-18.5	75-200
Smooth Wood	13.9-18.5	150-200
Wood Shingles	6.9-11.6	75-125

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SEI SEI CHEM

SEI GRAFFITI PROOFER®

One Component Cross-linked Water-based
GPC-102

PRODUCT DESCRIPTION

GPC-102 is a very unique cross-linked one component water-based coating designed for protection against a wide variety of paints, markers, graffiti and other types of vandalism. This product has tremendous UV, chemical, abrasion and graffiti resistance with no odor. GPC-102 comes in clear and in a variety of colors. GPC-102 exhibits fast dry properties and recoat times and can be used in both interior and exterior applications. GPC-102 is nondarkening, non-yellowing, non-whitening and nonflammable. GPC-102 also exhibits strong water vapor permeability and water vapor transmission rates. GPC-102 does not have a pot life and eliminates the need for solvents, which reduces Health/Hazard concerns. GPC-102 is VOC and AQMD compliant and is non-toxic. GPC-102 has excellent adhesion to substrates, along with good hardness, abrasion resistance and flexibility. It has demonstrated better gloss and color retention than SSPC standards under extended weathering testing as specified in ASTM G23.

APPLICATIONS

GPC-102 is designed to provide excellent performance over a wide range of substrates and applications. GPC-102 can withstand very demanding environments, while maintaining its appearance and being user and environmentally safe. For exterior applications, we recommend use of an appropriate primer sealer or undercoating.

APPLICATION PROCEDURE

Use a brush, roller, airless spray, air assist airless or conventional spray methods. Apply to a surface that is clean, dry, and free of any grease, oil, wax, or dust. Hand tool clean loose paint, rust or other foreign material. Test patch all surfaces prior to full application. May be applied unthinned or reduced with a small amount of water not to exceed 15% depending on application method and substrate porosity.

240 square feet @ 2Mil

Dry-to-touch: 8 minutes; Dry-to-handle: 13 minutes; Re-coat: 29 minutes, Full Cure 4-5 days

Mix thoroughly before use.

Equipment:

Airless Spray:

Unit:	2000 – 2400 psi pressure
Tip:	.015
Hose:	_” to 3/8”

Conventional:

Unit:	DeVilbiss Pressure Pot
Gun:	Devilbiss JGA 503 Gun
Tip:	FF Needle Assembly With 777 Aircap

Air-Assist Airless:

Unit:	500 – 650 psi
Tip:	.015
Tip Pressure:	As needed for proper atomization

Brush:

Nylon or Polyester

Roller:

3/8” woven nap with a phenolic core.

PHYSICAL CHARACTERISTICS

Weight per gallon:	8.66 lbs.
Volume Solids:	30%
Package Stability:	Passed 5 cycles - freeze/thaw/heat
VOC:	100g/L
Flashpoint:	200F

LIMITATIONS

- GPC-102 should be tested on all substrates before application for adhesion.
- GPC-102 should not be applied in high wind, rain, or when the ambient temperature is below 45°F
- Certain porous surfaces may require a sealer (SCS-003/04/010) to allow the GPC-102 to create a more desired application and maintain the integrity of the coating. Test patches should be applied before the final application.
- Do not mix any form of catalysts with GPC-102 as it is a single component product.
- Temperature and humidity directly affect dry time. Conditions should be between 45F and 95F and relative humidity should not exceed 85%
- Important**:** Excessive film building will cause blistering and affect the final appearance.

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SEI GRAFFITI PROOFER®

Sacrificial Water-base

GPC-103

PRODUCT DESCRIPTION

GPC-103 is a very unique one component sacrificial water-based coating designed for protection against a wide variety of paints, markers, graffiti and other types of vandalism. This product has tremendous UV, chemical, abrasion and graffiti resistance with no odor. GPC-103 dries clear and will not change the appearance of the surface. GPC-103 exhibits fast dry properties and recoat times and can be used in both interior and exterior applications. GPC-103 is nondarkening, non-yellowing, non-whitening and nonflammable. GPC-103 also exhibits strong water vapor permeability and water vapor transmission rates. GPC-103 does not have a pot life and eliminates the need for solvents, which reduces Health/Hazard concerns. GPC-103 is VOC and AQMD compliant and is environmentally friendly and non-toxic. GPC-103 has excellent adhesion to substrates, along with good hardness, abrasion resistance and flexibility. Graffiti is removed with a hot water washing.

APPLICATIONS

GPC-103 is designed to provide excellent performance over a wide range of substrates and applications. GPC-103 can withstand very demanding environments, while maintaining its appearance and being user and environmentally safe.

APPLICATION PROCEDURE

Use a brush, roller, airless spray, air assist airless or conventional spray methods. Apply to a surface that is clean and dry. Hand tool clean loose paint, rust or other foreign material. Test patch all surfaces prior to full application.

- 250 square feet @ 2Mil
- Dry-to-touch: 8 minutes; Dry-to-handle: 13 minutes; Re-coat: 29 minutes, Full Cure 4-5 days
- Mix thoroughly before use
- Spray with conventional spray equipment

PHYSICAL CHARACTERISTICS

Weight per gallon:	8.66 lbs.
Volume Solids:	20%

LIMITATIONS

- GPC-103 should not be applied in high wind, rain, or when the ambient temperature is below 45°F
- Certain porous surfaces may require a sealer (SCS-003/04/010) to allow the GPC-103 to create a more desired application and maintain the integrity of the coating. Test patches should be applied before the final application.
- Temperature and humidity directly affect dry time. Conditions should be between 45F and 95F and relative humidity should not exceed 85%

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SEI GRAFFITI PROOFER®
ANTI-STICK
GPA-200

PRODUCT DESCRIPTION

GPA-200 is a high-performance, highly fluorinated and durable coating formulated for applications requiring extremely high-slip characteristics and chemical resistance. This product exhibits outstanding anti-stick and long-lasting performance properties. The GPA-200 is the world's first graffiti deterrent coating as most spray paints, lacquers, enamels and adhesives chemically cannot stick to it. When a tagger attempts to vandalize a structure protected with the GPA-200, the paint will crawl together and run off the surface, thus deterring the vandal from continuing. The fluorinated polymer makes this coating impervious to UV degradation and it is highly resistant to graffiti, hydrocarbons and a wide variety of chemicals.

This high performing inert coating will protect surfaces from graffiti, corrosion, abrasion and chemical attack. GPA-200 comes in clear or any color. GPA-200 is a penetrating non-yellowing, non-whitening and non-toxic product that is VOC and AQMD compliant. GPA-200 comes in glossy and matt finishes. This coating exhibits outstanding weathering characteristics and is ideal for limited immersion service on marine, aerospace, architectural, construction, industrial and automotive equipment. It provides a high quality finish, and offers world-class performance with an expected life span exceeding 30 years. Use on ferrous and non-ferrous metals, masonry, concrete, brick, stone, wood, fiberglass, carbon fiber, etc.

- Outstanding Hydrophobic and Oleophobic surface properties
- Highly flexible and outstanding impact and abrasion resistance
- Low surface energy and high slip characteristics
- Highly resistant to attack by hydrocarbons and chemical products
- Completely insensitive to UV radiation
- Meets all US Military industrial coating specifications

APPLICATION

For optimum appearance properties - spray two coats to a minimum of 2 mils DFT / 50 microns DFT. Always allow each coat to "flash off" to a tacked state prior to applying a following coat. Can also be spray applied, brushed or rolled in one coat, unreduced to the recommended DFT. Must not be applied to surfaces at ambient temperatures above 35C / 95F. For optimum application properties, the temperature of the material should be between 10C and 25C / 50F and 80F prior to mixing and application. Apply the coating only when the surface temperature is more than 5F or 3C above the dew point temperature of the surrounding air and relative humidity is below 85%, in order to prevent moisture condensation on the surface. Always apply test area before proceeding with entire application.

MIXING & ACTIVATION

Mixing ratio 2:1 by volume (2 parts base to 1 part activator)
Spray Viscosity: 21-25 seconds #2 Zahn
GPA-200 is a two component coating system supplied in two separate containers. Part B is the base and Part A is the activator. Prior to activation, Base Component (Part B) must be thoroughly mixed by mechanical agitation. Following agitation with a paint stick, ensure that all settled material is removed from the can bottom. After activation of Component B and Component A together, agitate for approximately 1-2 minutes. Reduce activated GPA-200 to a maximum of 15% if required with recommended reducer and use immediately. GPA-200 requires no induction period.

COLORS & FINISHES
White, Clear and full ranges of colors are available, including metallic and pearlescent finishes.
High Gloss - > 90 / 60 0
Semi-Gloss - 50-60 / 60 0
Low Sheen - 30-40 / 60 0

SURFACE PREPARATION
Suitable substrates include concrete, block, metal, galvanized metal, aluminum, fiberglass, carbon fiber and wood. Good surface preparation and cleaning of all substrates to be coated is essential for optimum performance of the coating system. All surfaces to be coated should be clean, dry and free from contaminants. For old or previously finished surfaces, the degree of preparation and cleaning required is dependent upon the condition of the substrate.

COVERAGE
GPA-200 exhibits excellent opacity and coverage when spray applied. If applying colors by means other than spray, test opacity over a small section to ensure adequate coverage prior to general application. Apply GPA-200 at 300-350 sq/ft per mixed gallon.

CURING
Dry time @ 21C / 70F ambient air cure
Tack free: 4-6 Hours
Hard Cure: 24 hours
Full Cure: 3-5 days
Elevated Curing 40C - 60C / 105F - 140F for 40 minutes

POT LIFE
3-5 Hours @ 21C / 70F, 1 1/2 Hours @ 32C / 90F; however, these times may vary with environmental or climatic conditions. This material and its components are moisture sensitive. The product should be kept covered at all times after mixing and during application to prevent contamination and prevent moisture absorption.

STORAGE & HANDLING:
Hazardous Goods: Paint, Flammable Liquid, UN1263 Class III Hazchem 3YE
Shipping Information: 6.76 kg/14.9 lbs. per gallon unit including container - Clear
VOC content: 250 grams per liter - White, 210 grams per liter - Clear
Must be stored and handled in compliance with all current local regulations for flammable liquids. Store in cool, dry, well ventilated (5C-35C / 40F-95F) areas, out of direct sunlight and moisture. Shelf Life: 12 months. Ensure that both components are consistent in thickness after stirring, and that the activator (Part B) is clear and transparent before mixing the components together.

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SEI SEI CHEM

SEI PAINT-STRIPER ENVIRO™

GR-STRIP

PRODUCT DESCRIPTION

GR-STRIP is an environmentally friendly white gel that dissolves industrial and architectural paints and coatings including urethanes, fluorinated urethanes, alkyds and epoxies. The product is 100% biodegradable, VOC compliant and environmentally friendly.

APPLICATION

_ **Porous or Non-Porous Surfaces (Aerospace, Marine, Industrial Equipment)**

Brush GR-STRIP directly on painted surface and remove as soon as paint dissolves. It is an extremely effective paint and coating remover from all non-porous and porous surfaces.
Simply spray, brush or roll on the GR-STRIP and allow to soak (1 hour or more on heavily painted surfaces) until the paint is dissolved. A stiff brush may be used to help the removal process. Once the paint is dissolved, simply use a scraper or high pressure water spray to remove the dissolved paint.

_ **Brick, Sandstone or Concrete Paint or Graffiti Removal**

For brick, we recommend using the GR-STRIP to remove coatings or graffiti from masonry surfaces. Apply the GR-STRIP and allow to soak until graffiti is dissolved. Thoroughly soak the area with water prior to removing dissolved graffiti or coatings with high pressure water. (120 Bar).
GR-STRIP is a white gel that is neutralized with water and is 100% biodegradable. It will dissolve through multiple layers of paints allowing easing stripping from aerospace, marine, construction and industrial equipment.

_ Excellent to remove paint from vertical or horizontal, non-porous or porous surfaces
_ Removes multiple layers of paint in a single application
_ Removes urethanes, fluorinated urethanes, epoxies and alkyd paints
_ Safe to use, 100% biodegradable
_ Suitable for aerospace, marine, construction and industrial applications

MIXING, COVERAGE & STORAGE & HANDLING

Do not add water to the product or it will cause the product to become ineffective. Stir the product with a paint stick prior to use to blend the gel that may have settled during storage.
Hazardous Goods: non-hazardous, non-flammable
Shipping Information: 1 US gallon (3.78 liters) - 5.5 kg (12 lbs)
5 US gallons (18.9 liters) - 26 kg (58 lbs), 55 US Gallon (215 liter drum) - 225 kg (495 lbs)
Storage - Keep product in sealed container and store in cool, dry, protected, well ventilated storage in compliance with all current and local regulations. Keep out of direct sunlight, moisture or rain. Maintain material in sealed containers at all times.
Shelf Life - The shelf life of GR-STRIP is 24 months from the date of manufacture if stored as indicated above, unopened in sealed containers. All gel products should be thoroughly stirred before use as some settling may occur.

Coverage of GR-STRIP is approximately 16-20 m2/litre (650-800 ft2/US gallon). However, this will vary depending on the type of surface and number of applications required. (For heavy paint stripping application, GR-STRIP will provide approximately 200 ft2 per gallon of coverage).

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SEI GRAFFITI REMOVER GEL
GR-GEL

Product Description:
The GR-GEL utilizes the SEI Migratory Technology that penetrates and chemically fractures the molecular bonds in paints, polymers, inks, resins and coatings from any porous or non-porous surface. Unlike methylene chloride-based products that evaporate quickly, the GR-GEL remains on the surface to soften, penetrate and remove the graffiti / coating. The stripping time varies from 30 seconds to 15 minutes, depending on the type and number of layers to be removed.
GR-GEL is a multi-purpose formulation and is effective on a wide range of paints, lacquers, enamels, waxes, alkyds, acrylics, urethanes and epoxies.
GR-GEL is formulated to be an exceptionally smooth flowing gel for applications that require complete coverage to vertical surfaces or surfaces of varying geometry.

Features:
- Fast and Effective.
- Clings to vertical surfaces.
- Classified as exempt from Rule 422 (photochemically non-reactive).
- Non-corrosive and non-hazardous.
- V.O.C and AQMD compliant
- Can be stored indoors without restrictions.
- Non-drying gel.
- No chromates.
- No phenols.
- Environmentally safe.

Typical Application:
Porous substrates with graffiti on them, tanks, pipe, spray booths, structural supports, spray equipment, machine tools, workbenches, pipes, railcars, vehicles, airplanes, buildings, floors, stairways, pavement, road surfaces, etc.

Application:
SEI GR-GEL should be applied at full strength. For quicker results under ambient conditions, use a brush or low-pressure sprayer. Allow sufficient time for the product to penetrate and soften the coating. Using a pressure washing system wash the GR-GEL and the Graffiti / Coating from the substrate.

SEI GRAFFITI REMOVER SPRAY
GR-SPRAY

Product Description:
The GR-SPRAY utilizes the SEI Migratory Technology that penetrates and chemically fractures the molecular bonds in paints, lacquers, enamels and stains. The GR-SPRAY's active ingredient migrates and penetrates paints, coatings or unwanted marks and creates molecular space between the vandalism and the substrate, making removal easy. The GR-SPRAY has a unique combination of vapor and contact inhibiting abilities to prevent corrosion, flash rusting and discoloration of stainless steel, iron, copper, aluminum and brass after paint or graffiti has been removed.
The stripping time varies from 30 seconds to 5 minutes, depending on the type of graffiti and number of coatings to be removed.
The SEI Graffiti Remover Spray was formulated as a non-viscous liquid for applications that require the chemical to be sprayed from a nozzle. The SEI Graffiti Remover Spray is a multi-purpose formulation and is effective on different types of paints, coatings, lacquers, enamels, waxes, etc.

Typical Uses:
Use on any surface.

Chief Advantages:
Relatively low odor.
Fast and Effective
Exempt from Rule 422 (photochemically non-reactive).
Exempt from Rule 1171 – AQMD
Can be stored indoors without restrictions.

Packaging:
Manufacturerd in
12oz. and 24oz. bottles with trigger top

Any size custom packaging available.

Method of Application:
The SEI Graffiti Remover Spray should be applied in full strength. Sufficient time (between 30 seconds to five minutes) should be allowed for the product to migrate and penetrate the graffiti. If desired, The SEI Graffiti Remover Spray may be applied in full strength using a pressure washer or airless sprayer.

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SEI GRAFFITI REMOVER GEL
GR-GEL ENVIRO

Product Description:
The GR-GEL ENVIRO utilizes the SEI Migratory Technology that penetrates and chemically fractures the molecular bonds in paints, polymers, inks, resins and coatings from any porous or non-porous surface. Unlike methylene chloride-based products that evaporate quickly, the GR-GEL ENVIRO remains on the surface to soften, penetrate and remove the graffiti /coating. The migration time varies from 5 seconds to 24 hours, depending on the type and number of layers to be removed.

GR-GEL ENVIRO is a multi-purpose formulation and is effective on a wide range of paints, lacquers, enamels, waxes, alkyds, acrylics, urethanes, epoxies and permanent marker. GR-GEL ENVIRO is water clear, VOC and AQMD compliant. Formulated to be an exceptionally smooth flowing gel for applications that require complete coverage to vertical surfaces or surfaces of varying geometry.

Features:
- Fast and Effective
- Clings to vertical surfaces
- Classified as exempt from Rule 422 (photochemically non-reactive)
- Non-corrosive and non-hazardous
- V.O.C and AQMD compliant
- Can be stored indoors without restrictions
- No chromates
- No phenols
- Environmentally safe

Typical Application:
Porous substrates with graffiti on them, tanks, pipe, spray booths, structural supports, spray equipment, machine tools, workbenches, pipes, railcars, vehicles, airplanes, buildings, floors, stairways, pavement, road surfaces, etc.

Application:
SEI GR-GEL ENVIRO should be applied with a brush or by spray at full strength. Allow sufficient time for the product to penetrate for easy removal. Remove graffiti and gel with a rag or pressure washer. Some types of graffiti may require the gel to penetrate for 24 hours. The product will extract the graffiti and dry to a light dust that can be removed by hand.

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SEI GRAFFITI REMOVER SYS
GR-SYS

Product Description:
GR-SYS utilizes the SEI Migratory Technology™ that penetrates and chemically fractures the molecular bonds in paints, lacquers, enamels and stains. The GR-SYS active ingredient migrates and penetrates paints, coatings or unwanted marks and creates molecular space between the vandalism and the substrate, making the removal easy from any surface that has been protected with the SEI Graffiti Proofer®, SEI Graffiti Proofer & Curing Agent and the SEI Graffiti Proofer Anti-Stick. GR-SYS has no chemical, physical, mechanical or aesthetic effects on any of the SEI Graffiti Proofers. The stripping time varies from thirty seconds to four minutes, depending on the type of graffiti and number of coatings to be removed.

GR-SYS was formulated as a semi-viscous product for applications on vertical and horizontal surfaces or on those of complex geometry. GR-SYS is a multi-purpose formulation and is effective on different types of paints, coatings, lacquers, enamels, waxes and stains but has no effect on the SEI Graffiti Proofers. GR-SYS will remove a wide variety of paints, graffiti and vandalism on a wide variety of unprotected surfaces as well.

Chief Advantages:
- Relatively low odor.
- Not regulated by the Department of Transportation.
- Exempt from Rule 422 (photochemically non-reactive).
- Exempt from Rule 1171 – AQMD
- Can be stored indoors without restrictions.

Packaging:
12oz., 24oz. Aerosol
Custom packaging available

Method of Application:
GR-SYS should be applied in full strength. Sufficient time (between thirty seconds and two minutes) should be allowed for the product to migrate and penetrate the graffiti. After sufficient time has past simply wash the GR-SYS and the graffiti away using a water flushing, rag or brush.

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SEI PAINTERS TOWELS

GR-PAINTER

Product Description:
The SEI Painters Towels utilizes the SEI Migratory Technology that penetrates and chemically fractures the molecular bonds in paints, lacquers, enamels and stains. The Painters Towel active ingredient migrates into and penetrates paints, coatings or unwanted marks and creates molecular space between the paint and the substrate, making the removal easy. The formula was designed for maximum consumer safety and therefore does not contain methylene chloride, chlorinated solvents, methanol, toulene, acetone, etc. Use the Painters Towels to remove any unwanted paint. Use on overspray, splatter, spills, touch up areas, unwanted marks, unwanted scratches or scrapes, brushes, handles, lids and all tools. This product can also be used on plastics, metals, glass and other hard surfaces.

Save hours in clean-up time and never scrape a surface again. This product is non-toxic, biodegradable, environmentally safe and consumer safe.

Painter Towels are also used for multi-purpose cleaning. They are effective on all different types of paints, lacquers, enamels, waxes, dirt, grit, grease, etc.

Chief Advantages:
- Low odor.
- Fast and easy to use.
- No need to ever scrap again.
- Easy on your hands and skin.
- Can be stored indoors without restrictions.

Packaging:
- Container contains 40
  Custom packaging
  available.

Method of Application:
SEI Painters Towels can be used on any surface and are pulled directly from the container and used on any unwanted paints or any area that needs to be cleaned. Simply blot the paint to be removed and wait five to ten seconds then wipe the paint away.

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SEI GRAFFITI REMOVER TOWELS
TWL-200

Product Description:
GR-TWL utilizes the SEI Migratory Technology that penetrates and chemically fractures the molecular bonds in paints, lacquers, enamels and stains. TWL-200's active ingredient migrates into and penetrates paints, coatings or unwanted marks and creates molecular space between the vandalism and the substrate, making the removal easy. The formula was designed for maximum consumer safety and therefore does not contain methylene chloride, chlorinated solvents, methanol, toulene, acetone, etc. The removal time varies from a few seconds to two minutes, depending on the type of coating and number of coatings to be removed.

TWL-200 is formulated by impregnating SEI Migratory Technology molecules into a a unique and biodegrable towelette. Aside from being a high-end graffiti removal product, TWL-200 has a unique capability in that it will prevent corrosion on all metal surfaces after paint removal.

TWL-200s are also used for multi-purpose cleaning. They are effective on different types of paints, lacquers, enamels, waxes, dirt, grit, grease, adhesives, etc.

Chief Advantages:
- Low odor
- Non-Toxic
- Biodegradable
- Works on all non-porous surfaces
- Safe to use on delicate surfaces

Packaging:
- Container contains 30 Wipes
- Custom packaging available

Method of Application:
TWL-200 can be used on any surface and are pulled from the container and used directly on any unwanted vandalism or any area that needs to be cleaned. Simply blot the graffiti to be removed and then wipe away.

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SEI™ ADVANCED CHEMICAL TECHNOLOGY™

Coating Systems Guide
GPT™ - Graffiti Preventative Technology™

Graffiti is the most destructive and costly problem that effects almost all architectural structures and is the most challenging problem for the coatings industry. New and existing construction, commercial, residential, industrial and historical landmarks are greatly effected. Educational and DOT structures cannot keep pace with this problem as graffiti damages both interior and exterior substrates. Traditional removal methods for graffiti have been less than effective and generate a tremendous amount of hazardous waste.

Stringent Federal, State and Local regulatory agencies have mandated that environmentally safe, VOC and AQMD compliant products be used in the prevention and removal of graffiti.

SEI has developed a comprehensive line of anti-graffiti coatings and removal products that are extremely high performing and safe to use. SEI's **GPT Technology** provides long term graffiti solutions that are easy and safe to apply. No special application equipment or extensive training is required.

SEI's **GPT Technology** will prevent and further deter graffiti. Most importantly it will easily remove graffiti with out generating hazardous waste. No harsh removal chemicals are used and it eliminates the inconvenience and damaging effects of pressure washing.

SEI's advanced **GPT Technology** has greatly extended the UV, weathering, abrasion, chemical and corrosions preventative properties when compared to conventional graffiti coatings. SEI products will not only prevent and deter unsightly and costly graffiti, but it will greatly extend the service life of the original coating and structure. Items such as murals, statues, buildings, parking structures, company logos on delivery vehicles, mass transit vehicles and rail cars will be preserved and protected for decades to come.

SEI will issue a 10 year performance guarantee on our **GPT Technology** products when applied by a certified applicator.

SEI's **GPT Technology** products can be applied to all porous and non porous substrates, including glass, mirrors and all previously painted surfaces.

SEI's **GPT Technology** coating systems will make no sacrifice in any environmental or performance categories.

Graffiti Removal:
Graffiti Remover SYS - GR-SYS
Graffiti Remover Spray - GR-SPRAY
Graffiti Remover Gel - GR-GEL
Graffiti Removal Towels - GR-TWL
These products utilize SEI's *Migratory Technology*™ that penetrates and chemically fractures the molecular bonds in paints, lacquers, enamels and stains. The GR-SYS active ingredient migrates and penetrates paints, coatings or unwanted marks and creates molecular space between the vandalism and the substrate, making the removal easy. The removal time varies from thirty seconds to four minutes, depending on the type of graffiti and number of coatings to be removed.

- GR-SYS comes in an aerosol can that uses a VOC compliant propellant
- GR-SPRAY comes in 16oz trigger spray bottles, 5-gal and 55-gal drums
- GR-GEL comes in 5-gal and 55-gal containers
- GR-TWL comes 30 towels per can and 6 cans per case

Primer Sealer Products
SCS-003 Block Sealer Light:
Water-based blend of acrylic micro-emulsions cross-linked in a silane-siloxane solution.
SCS-004 Block Sealer Heavy:
High solid, water based acrylic and elastomeric sealer primer.
SCS-010 Moisture Cure Urethane Primer:
VOC and AQMD compliant, single component, non-leafing aluminum polyurethane moisture-cure primer.

Top Coats & Single Coat:
GPC-100 Graffiti Proofer® & Curing Agent:
Non sacrificial anti-graffiti treatment and an ASTM certified concrete curing agent designed to be used on green concrete.
GPC-101 Graffiti Proofer:
Non-sacrificial, non-yellowing, non-whitening, clear anti-graffiti treatment for existing structures.
GPC-102 Graffiti Proofer:
Water-based, low VOC, one component cross-linked aliphatic with no-odor.
GPA-200 Graffiti Proofer Anti-Stick:
High-performance, fluorinated, 2-component coating with extreme high-slip characteristics. Provides a high quality finish, and offers world-class performance with an exceptional life span exceeding 30 years.

SUBSTRATE	PROTECTION PERIOD	SERVICE	SYSTEM	PRODUCT	DESCRIPTION	SURFACE	Wet Film Thickness (Mils)	DFT (Mils)	VOL. SOLID (%)	VOC g/L	Coverage
Ferrous Metals Steel etc. For Aluminum acid etch and conversion coating required	30 year life span - 10 year warranty by approved applicator	Interior & Exterior	GPT-1	Primer: SCS-010	Non-leafing aluminum moisture cure polyurethane	SP-6	4-6	2.5-3.5	60.9	190	300-340 sq.ft./gal@ 3Mil
				Top coat: GPA-200	Fluorinated polyurethane	** Clean and dry	4-6	2-3	60	190	350sq.ft./gal@ 3Mil
Ferrous Metals Steel etc. For Aluminum acid etch and conversion coating required	5 year	Interior & Exterior	GPT-2	Primer: SCS-010	Non-leafing aluminum moisture cure polyurethane	SP-6	4-6	2.5-3.5	60.9	190	300-340 sq.ft./gal@ 3Mil
				Top coat: GPC-102	Water based Cross-linked Aliphatic Polyurethane	** Clean and dry	4-6	2-3	30	200	150-175 sq.ft./gal@ 3Mil
Green Concrete	For the life of the structure	Interior & Exterior	GPT-3	GPC-100	ASTM c309 certified solvent based cross-linked Flurosiloxilane silane	** Direct to green concrete after forms are stripped	4-6	2-3	30	112	150 sq.ft./gal@ 3Mil
Pourus Substrates Concrete, block, stucco, stone(s), brick, wood	20 to 30 cleanings in the same spot	Interior & Exterior	GPT-4	GPC-101	Flurosiloxilane silane	* ** Clean and dry	4-6	2-3	30	112	150 sq.ft./gal@ 3Mil
Pourus Substrates Concrete, block, stucco, stone(s), brick, wood	5 year	Interior & Exterior	GPT-5	GPC-102	Water-based Cross-linked Aliphatic Polyurethane	* ** Clean and dry	4-6	2-3	30	200	150-175 sq.ft./gal@ 3Mil
Pourus Substrates Concrete, block, stucco, stone(s), brick, wood	30 year life span - 10 year warranty by approved applicator	Interior & Exterior	GPT-6	SCS-003 /04	Primer: Water-based Cross-linked acrylic primer	** Clean and dry	4-6	2-3	30	145	45-80 sq.ft./gal@ 5Mil
				Top coat: GPA-200	Top coat: Fluorinated polyurethane		4-6	2-3	60	160	300-350sq.ft./gal@ 3Mil
Split-Face Block & Brick System	5 year	Interior & Exterior	GPT-7	SCS-004	Primer: Water-based Cross-linked acrylic primer	2 coats	4-6	2-3	30	145	40-80 sq.ft./gal@ 5Mil
				GPC-101	Top coat: Flurosiloxilane silane	2 coats	4-6	2-3	30	112	125-150 sq.ft./gal@ 3Mil

*To retain color of pourus substrate and prevent darkening prime with SCS-004 or SCS-003.
**Some systems may require 2 coats depending on application - check with approved applicator
***Majority of painted surfaces do not require a primer - check profile and coating integrity before application

1. Water-based products should not be allowed to freeze
2. 2-componet products are a 2:1 ratio, base to activator
3. GPA-200 and is available in any color - provide color swatch and prepare for excess lead-time
4. GPA-200 is available in a gloss and matt finish

SECTION 09965: PERMANENT NON-SACRAFICAL ANTI-GRAFFITI COATINGS

PART 1 - GENERAL

RELATED DOCUMENTS

Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

SUMMARY

This Section includes surface preparation and field application of anti-graffiti coating systems for the following vertical and horizontal surfaces:

Cast stone.
Brick masonry.
Concrete unit masonry (unpainted and unglazed).
Cast-in-place concrete.

Related Sections include the following:

Division 4 Section "Unit Masonry Assemblies" for integral water- repellent admixture for unit masonry assemblies.
Division 7 Section "Joint Sealants."
Division 9 painting Sections for paints and coatings.

DEFINITIONS

General: Standard coating terms defined in ASTM D 16 apply to this Section.

Low- sheen refers to a finish with a gloss range between 30 and 40 when measured at a 60-degree meter.

SUBMITTALS

Product Data: For each coating system indicated. Include primers and undercoats.

Material List: An inclusive list of required coating materials. Indicate each material and cross-reference the specific coating, finish system, and application. Identify each material by manufacturer's catalog number and general classification.
Manufacturer's Information: Manufacturer's technical information, including label analysis and instructions for handling, storing, and applying each material specified.

Certification by manufacturer that products supplied comply with requirements indicated that limit the amount of VOCs in coating products.

Samples for Verification: For each material to be applied, on representative samples of the actual substrate.

Provide stepped Samples defining each separate coat. Resubmit until required sheen is achieved.
List of material and application for each coat of each sample. Label each sample for location and application.
Submit samples on the following substrates for Architect's review of shade and sheen:

Cast-in-place Concrete: Provide two 4-inch- (100-mm-) square samples.
Concrete and Brick Masonry: Provide two 8-inch- (200-mm-) square samples of masonry, with mortar joint in the center, for each different masonry unit.

Qualification Data: For firms and persons specified in "Quality Assurance" Article to demonstrate their capabilities and experience. Include lists of completed projects with project names and addresses, names and addresses of architects and owners, and other information specified.

Warranty: Special warranty specified in this Section.

QUALITY ASSURANCE

Applicator Qualifications: Engage an experienced applicator who has completed anti-graffiti coating system applications similar in material and extent to those indicated for Project and whose work has a record of successful in-service performance.

Source Limitations: Obtain primers and undercoat materials for each coating system from the same manufacturer as the finish coats.

Benchmark Samples (Mockups): Provide a full-coat benchmark finish sample for each substrate required. Duplicate finish of approved sample Submittals.

Architect will select one area or surface of each different substrate to represent surfaces and conditions for application.

Wall Surfaces: Provide samples on at least 100 sq. ft. (9 sq. m), or as directed by Architect, of wall surface for each different substrate.

Apply coatings to each surface as specified. Provide the required sheen of each surface.

After finishes are accepted, Architect will use the surface to evaluate coating systems of a similar nature.

Final approval of coatings will be from benchmark samples.

Preinstallation Conference: Conduct conference at Project site to comply with requirements in Division 1 Section "Project Management and Coordination."

DELIVERY, STORAGE, AND HANDLING

Deliver materials to Project site in manufacturer's original, unopened packages and containers bearing manufacturer's name and label with the following information:

Name or title of material.
Product description (generic classification or binder type).
Manufacturer's stock number and date of manufacture.
Contents by volume, for vehicle constituents.
Thinning instructions.
Application instructions.
Handling instructions and precautions.

Store materials not in use in tightly covered containers in a well-ventilated area at a temperature range between 40 and 95 deg F. Maintain containers used in storage in a clean condition, free of foreign materials and residue.

Protect materials from freezing. Keep storage area neat and orderly. Remove oily rags and waste daily. Take necessary measures to ensure that workers and work areas are protected from fire and health hazards resulting from handling, mixing, and applying coatings.

PROJECT CONDITIONS

Apply coatings only when temperature of surfaces to be coated and surrounding air temperatures are between 45 and 85 deg F.

Limitations: Proceed with application only when the following existing and forecasted weather and substrate conditions permit coatings to be applied according to manufacturers' written instructions and warranty requirements:

Concrete surfaces and mortar have cured for more than 28 days.
Rain or snow is not predicted within 24 hours.
Application proceeds more than 24 hours after surfaces have been wet, unless otherwise recommended by manufacturer.
Windy conditions do not exist that may cause anti-graffiti coatings to be blown onto vegetation or surfaces not intended to be treated.

Do not apply coatings in snow, rain, fog, or mist; when relative humidity exceeds 85 percent; at temperatures less than 5 deg F (3 deg C) above the dew point; or to damp or wet surfaces.

Allow wet surfaces to dry thoroughly and attain temperature and conditions specified before proceeding with or continuing coating operation.
Work may continue during inclement weather only if areas and surfaces to be coated are enclosed and temperature within the area can be maintained within limits specified by manufacturer during application and drying periods.

WARRANTY

Special Warranty: Manufacturer's standard form in which manufacturer and applicator agree(s) to repair or replace materials that fail to maintain graffiti repellency within specified warranty period.

Warranty Period: Ten years from date of Substantial Completion.

PART 2 - PRODUCTS

MANUFACTURERS

Available Products: Subject to compliance with requirements, products that may be incorporated into the Work include, but are not limited to, products indicated in other Part 2 articles.

COATINGS MATERIALS, GENERAL

Material Compatibility: Provide primers, undercoats, and finish-coat materials that are compatible with one another and substrates indicated under conditions of service and application, as demonstrated by manufacturer based on testing and field experience.

Material Quality: Provide manufacturer's highest grade of the various anti-graffiti coatings specified. Materials not displaying manufacturer's product identification are not acceptable.

Proprietary Names: Use of manufacturer's proprietary product names to designate materials is not intended to imply that products named are required to be used to the exclusion of equivalent products of other manufacturers. Furnish manufacturer's material data and certificates of performance for proposed substitutions.

VOC Classification: Provide anti-graffiti coating materials, including primers, undercoats, and finish-coat materials, that have a VOC classification of 450 g/L or less.

EXTERIOR ANTI-GRAFFITI COATING SYSTEMS

Provide the following coating system over exterior cast-in-place concrete; concrete and brick masonry vertical surfaces; and where otherwise indicated:

One finish coat over an intermediate coat and a primer.

Primer: Acrylic primer applied at spreading rate recommended by manufacturer.

SCS-004 Waterborne Acrylic Sealer; SEI Chemical, LLC (SEI) 818-998-3538
www.seichemical.com.

Intermediate Coat: Two- part Fluorinated Polyurethane coating applied at spreading rate recommended by manufacturer to achieve a dry film thickness of 1.0.

GPA-200 Graffiti Proofer Anti- Stick; SEI Chemical, LLC (SEI) 818-998-3538

Finish Coat: Two- part Fluorinated polyurethane coating applied at spreading rate recommended by manufacturer to achieve a dry film thickness of 2.0 mils.

GPA-200 Graffiti Proofer Anti- Stick; SEI Chemical, LLC (SEI) 818-998-3538.

PART 3 - EXECUTION

EXAMINATION

With Applicator present, examine substrates and conditions under which anti-graffiti coatings will be applied, for compliance with coating application requirements.

Apply coatings only after unsatisfactory conditions have been corrected and surfaces to receive coatings are thoroughly dry.
Start of application is construed as Applicator's acceptance of surfaces within that particular area.

Coordination of Work: Review other Sections in which primers or other coatings are provided to ensure compatibility of total systems for various substrates. On request, furnish information on characteristics of specified finish materials to ensure compatible primers.

PREPARATION

General: Remove plates, machined surfaces, and similar items already in place that are not to be coated. If removal is impractical or impossible because of size or weight of item; provide surface-applied protection before surface preparation and coating.

After completing coating operations, reinstall items that were removed; use workers skilled in the trades involved.

Cleaning: Before applying anti-graffiti coatings, clean substrates of substances that could impair bond of coatings. Remove oil and grease before cleaning.

Schedule cleaning and coating application so dust and other contaminates from cleaning process will not fall on wet, newly coated surfaces.

Surface Preparation: Clean and prepare surfaces to be coated according to manufacturer's written instructions for each substrate condition and as specified.

Prepare concrete, brick, concrete masonry block, and cast stone surfaces to be coated. Remove efflorescence, chalk, dust, dirt, grease, oils, and release agents. Roughen as required to remove glaze. If hardeners or sealers have been used to improve curing, use mechanical methods to prepare surfaces.

Use abrasive blast-cleaning methods if recommended by coating manufacturer.
Do not coat surfaces if moisture content exceeds that permitted in manufacturer's written instructions.

Material Preparation: Carefully mix and prepare coating materials according to manufacturer's written instructions.

Maintain containers used in mixing and applying coatings in a clean condition, free of foreign materials and residue.
Stir materials before applying to produce a mixture of uniform density. Stir as required during application.
Do not stir surface film into the material. Remove film and, if necessary, strain coating material before using.

Use only the type of thinners approved by manufacturer and only within recommended limits.

Protect adjoining work, including sealant bond surfaces, from spillage or blow-over of coating system components. Cover adjoining and nearby surfaces of aluminum and glass if there is the possibility of components being deposited on surfaces. Cover live plants and grass.

Coordination with Sealants: Do not apply anti-graffiti coatings until sealants for joints adjacent to surfaces receiving coatings have been installed and cured.

Anti-graffiti coating work may precede sealant application only if sealant adhesion and compatibility have been tested and verified using substrate, anti-graffiti coatings, and sealant materials identical to those used in the work.

Proceed with installation only after unsatisfactory conditions have been corrected.

APPLICATION

Manufacturer's Field Service: Engage a factory-authorized service representative to inspect the substrate before application of anti-graffiti coatings and to instruct Applicator on the product and application method to be used.

General: Apply anti-graffiti coatings according to manufacturer's written instructions.

Use applicators and techniques best suited for the material being applied.
Do not apply anti-graffiti coatings over dirt, rust, scale, grease, moisture, scuffed surfaces, or conditions detrimental to forming a durable coating film.
Coating surface treatments and finishes are indicated in the coating system descriptions.
Provide finish coats compatible with primers used.
The term "exposed surfaces" includes areas visible when permanent or built-in fixtures, convector covers, grilles, covers for finned-tube radiation, and similar components are in place. Extend coatings in these areas, as required, to maintain system integrity and provide desired protection.

Coat surfaces behind movable equipment and furniture the same as similar exposed surfaces.
Before final installation, coat surfaces behind permanently fixed equipment or furniture with prime coat only.

Scheduling Coating: Apply first coat to surfaces that have been cleaned, pretreated, or otherwise prepared for coating as soon as practicable after preparation and before subsequent surface deterioration.

The number of coats and film thickness required is the same regardless of application method.

Do not apply succeeding coats until previous coat has cured as recommended by manufacturer.
Allow sufficient time between successive coats to permit proper drying.

Give special attention to edges, corners, crevices, and similar surfaces to ensure that they receive a dry film thickness equivalent to that of flat surfaces.

Application Procedures: Apply coatings according to manufacturer's written instructions.

Spray Equipment: Use mechanical methods to apply coating as permitted by manufacturers written instructions and governing regulations.

Use spray equipment with orifice size recommended by manufacturer for material and texture required.

Minimum Coating Thickness: Apply each material no thinner than manufacturer's recommended spreading rate.
Provide total dry film thickness of the entire system as recommended by manufacturer.

Prime Coats: Before applying finish coats, apply a prime coat of material, as recommended by manufacturer, to material required to be coated or finished that has not been prime coated by others.

Recoat primed and sealed substrates immediately if there is evidence of suction spots or unsealed areas in first coat, to ensur e a finish coat with no burn -through or other defects caused by insufficient sealing.

Completed Work: Match approved Samples for shade and coverage. Remove, refinish, or recoat work that does not comply with specified requirements.

CLEANING

Immediately clean anti-graffiti coatings from adjoining surfaces and surfaces soiled or damaged by application as work progresses. Repair damage caused by application. Comply with manufacturer's written cleaning instructions.

PROTECTION

Protect work of other trades, whether being coated or not, against damage from coating operation. Correct damage by cleaning, repairing, replacing, and recoating, as approved by Architect, and leave in an undamaged condition.

Provide "Wet Paint" signs to protect newly coated finishes. After completing coating operations, remove temporary protective wrappings provided by others to protect their work.
At completion of construction activities of other trades, touch up and restore damaged or defaced coated surfaces.

END OF SECTION 09965

SECTION 09965: NON-SACRAFICAL ANTI-GRAFFITI COATINGS

PART 1 - GENERAL

RELATED DOCUMENTS

Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

SUMMARY

This Section includes surface preparation and field application of anti-graffiti coating systems for the following vertical and horizontal surfaces:

Cast stone.
Brick masonry.
Concrete unit masonry (unpainted and unglazed).
Cast-in-place concrete.

Related Sections include the following:

Division 4 Section "Unit Masonry Assemblies" for integral water- repellent admixture for unit masonry assemblies.
Division 7 Section "Joint Sealants."
Division 9 painting Sections for paints and coatings.

DEFINITIONS

General: Standard coating terms defined in ASTM D 16 apply to this Section.

Low- sheen refers to a finish with a gloss range between 30 and 40 when measured at a 60-degree meter.

SUBMITTALS

Product Data: For each coating system indicated. Include primers and undercoats.

Material List: An inclusive list of required coating materials. Indicate each material and cross-reference the specific coating, finish system, and application. Identify each material by manufacturer's catalog number and general classification.
Manufacturer's Information: Manufacturer's technical information, including label analysis and instructions for handling, storing, and applying each material specified.

Certification by manufacturer that products supplied comply with requirements indicated that limit the amount of VOCs in coating products.

Samples for Verification: For each material to be applied, on representative samples of the actual substrate.

Provide stepped Samples defining each separate coat. Resubmit until required sheen is achieved.
List of material and application for each coat of each sample. Label each sample for location and application.
Submit samples on the following substrates for Architect's review of shade and sheen:

Cast-in-place Concrete: Provide two 4-inch- (100-mm-) square samples.
Concrete and Brick Masonry: Provide two 8-inch- (200-mm-) square samples of masonry, with mortar joint in the center, for each different masonry unit.

Qualification Data: For firms and persons specified in "Quality Assurance" Article to demonstrate their capabilities and experience. Include lists of completed projects with project names and addresses, names and addresses of architects and owners, and other information specified.

Warranty: Special warranty specified in this Section.

QUALITY ASSURANCE

Applicator Qualifications: Engage an experienced applicator who has completed anti-graffiti coating system applications similar in material and extent to those indicated for Project and whose work has a record of successful in-service performance.

Source Limitations: Obtain primers and undercoat materials for each coating system from the same manufacturer as the finish coats.

Benchmark Samples (Mockups): Provide a full-coat benchmark finish sample for each substrate required. Duplicate finish of approved sample Submittals.

Architect will select one area or surface of each different substrate to represent surfaces and conditions for application.

Wall Surfaces: Provide samples on at least 100 sq. ft. (9 sq. m), or as directed by Architect, of wall surface for each different substrate.

Apply coatings to each surface as specified. Provide the required sheen of each surface.

After finishes are accepted, Architect will use the surface to evaluate coating systems of a similar nature.

Final approval of coatings will be from benchmark samples.

Preinstallation Conference: Conduct conference at Project site to comply with requirements in Division 1 Section "Project Management and Coordination."

DELIVERY, STORAGE, AND HANDLING

Deliver materials to Project site in manufacturer's original, unopened packages and containers bearing manufacturer's name and label with the following information:

Name or title of material.
Product description (generic classification or binder type).
Manufacturer's stock number and date of manufacture.
Contents by volume, for vehicle constituents.
Thinning instructions.
Application instructions.
Handling instructions and precautions.

Store materials not in use in tightly covered containers in a well-ventilated area at a temperature range between 40 and 95 deg F. Maintain containers used in storage in a clean condition, free of foreign materials and residue.

Protect materials from freezing. Keep storage area neat and orderly. Remove oily rags and waste daily. Take necessary measures to ensure that workers and work areas are protected from fire and health hazards resulting from handling, mixing, and applying coatings.

PROJECT CONDITIONS

Apply coatings only when temperature of surfaces to be coated and surrounding air temperatures are between 45 and 85 deg F.

Limitations: Proceed with application only when the following existing and forecasted weather and substrate conditions permit coatings to be applied according to manufacturers' written instructions and warranty requirements:

Concrete surfaces and mortar have cured for more than 28 days.
Rain or snow is not predicted within 24 hours.
Application proceeds more than 24 hours after surfaces have been wet, unless otherwise recommended by manufacturer.
Windy conditions do not exist that may cause anti-graffiti coatings to be blown onto vegetation or surfaces not intended to be treated.

Do not apply coatings in snow, rain, fog, or mist; when relative humidity exceeds 85 percent; at temperatures less than 5 deg F (3 deg C) above the dew point; or to damp or wet surfaces.

Allow wet surfaces to dry thoroughly and attain temperature and conditions specified before proceeding with or continuing coating operation.
Work may continue during inclement weather only if areas and surfaces to be coated are enclosed and temperature within the area can be maintained within limits specified by manufacturer during application and drying periods.

WARRANTY

Special Warranty: Manufacturer's standard form in which manufacturer and applicator agree(s) to repair or replace materials that fail to maintain graffiti repellency within specified warranty period.

Warranty Period: Five years from date of Substantial Completion.

PART 2 - PRODUCTS

MANUFACTURERS

Available Products: Subject to compliance with requirements, products that may be incorporated into the Work include, but are not limited to, products indicated in other Part 2 articles.

COATINGS MATERIALS, GENERAL

Material Compatibility: Provide primers, undercoats, and finish-coat materials that are compatible with one another and substrates indicated under conditions of service and application, as demonstrated by manufacturer based on testing and field experience.

Material Quality: Provide manufacturer's highest grade of the various anti-graffiti coatings specified. Materials not displaying manufacturer's product identification are not acceptable.

Proprietary Names: Use of manufacturer's proprietary product names to designate materials is not intended to imply that products named are required to be used to the exclusion of equivalent products of other manufacturers. Furnish manufacturer's material data and certificates of performance for proposed substitutions.

VOC Classification: Provide anti-graffiti coating materials, including primers, undercoats, and finish-coat materials, that have a VOC classification of 350 g/L or less.

EXTERIOR ANTI-GRAFFITI COATING SYSTEMS

Provide the following coating system over exterior cast-in-place concrete; concrete and brick masonry vertical surfaces; and where otherwise indicated:

One finish coat over an intermediate coat and a primer.

Primer: Acrylic primer applied at spreading rate recommended by manufacturer.

SCS-004 Waterborne Acrylic Sealer; SEI Chemical, LLC (SEI) 818-998-3538
www.seichemical.com.

Top Coat - Spray 2 coats, allow sufficeint dry time between coatings: Single component VOC compliant flurosilicone based coating, manufacturer to achieve a dry film thickness of 1.0 mil.
SEI Chemical, LLC (SEI) 818-998-3538

PART 3 - EXECUTION

EXAMINATION

With Applicator present, examine substrates and conditions under which anti-graffiti coatings will be applied, for compliance with coating application requirements.

Apply coatings only after unsatisfactory conditions have been corrected and surfaces to receive coatings are thoroughly dry.
Start of application is construed as Applicator's acceptance of surfaces within that particular area.

Coordination of Work: Review other Sections in which primers or other coatings are provided to ensure compatibility of total systems for various substrates. On request, furnish information on characteristics of specified finish materials to ensure compatible primers.

PREPARATION

General: Remove plates, machined surfaces, and similar items already in place that are not to be coated. If removal is impractical or impossible because of size or weight of item; provide surface-applied protection before surface preparation and coating.

After completing coating operations, reinstall items that were removed; use workers skilled in the trades involved.

Cleaning: Before applying anti-graffiti coatings, clean substrates of substances that could impair bond of coatings. Remove oil and grease before cleaning.

Schedule cleaning and coating application so dust and other contaminates from cleaning process will not fall on wet, newly coated surfaces.

Surface Preparation: Clean and prepare surfaces to be coated according to manufacturer's written instructions for each substrate condition and as specified.

Prepare concrete, brick, concrete masonry block, and cast stone surfaces to be coated. Remove efflorescence, chalk, dust, dirt, grease, oils, and release agents. Roughen as required to remove glaze. If hardeners or sealers have been used to improve curing, use mechanical methods to prepare surfaces.

Use abrasive blast-cleaning methods if recommended by coating manufacturer.
Do not coat surfaces if moisture content exceeds that permitted in manufacturer's written instructions.

Material Preparation: Carefully mix and prepare coating materials according to manufacturer's written instructions.

Maintain containers used in mixing and applying coatings in a clean condition, free of foreign materials and residue.
Stir materials before applying to produce a mixture of uniform density. Stir as required during application.
Do not stir surface film into the material. Remove film and, if necessary, strain coating material before using.

Use only the type of thinners approved by manufacturer and only within recommended limits.

Protect adjoining work, including sealant bond surfaces, from spillage or blow-over of coating system components. Cover adjoining and nearby surfaces of aluminum and glass if there is the possibility of components being deposited on surfaces. Cover live plants and grass.

Coordination with Sealants: Do not apply anti-graffiti coatings until sealants for joints adjacent to surfaces receiving coatings have been installed and cured.

Anti-graffiti coating work may precede sealant application only if sealant adhesion and compatibility have been tested and verified using substrate, anti-graffiti coatings, and sealant materials identical to those used in the work.

Proceed with installation only after unsatisfactory conditions have been corrected.

APPLICATION

Manufacturer's Field Service: Engage a factory-authorized service representative to inspect the substrate before application of anti-graffiti coatings and to instruct Applicator on the product and application method to be used.

General: Apply anti-graffiti coatings according to manufacturer's written instructions.

Use applicators and techniques best suited for the material being applied.
Do not apply anti-graffiti coatings over dirt, rust, scale, grease, moisture, scuffed surfaces, or conditions detrimental to forming a durable coating film.
Coating surface treatments and finishes are indicated in the coating system descriptions.
Provide finish coats compatible with primers used.
The term "exposed surfaces" includes areas visible when permanent or built-in fixtures, convector covers, grilles, covers for finned-tube radiation, and similar components are in place. Extend coatings in these areas, as required, to maintain system integrity and provide desired protection.

Coat surfaces behind movable equipment and furniture the same as similar exposed surfaces.
Before final installation, coat surfaces behind permanently fixed equipment or furniture with prime coat only.

Scheduling Coating: Apply first coat to surfaces that have been cleaned, pretreated, or otherwise prepared for coating as soon as practicable after preparation and before subsequent surface deterioration.

The number of coats and film thickness required is the same regardless of application method.

Do not apply succeeding coats until previous coat has cured as recommended by manufacturer.
Allow sufficient time between successive coats to permit proper drying.

Give special attention to edges, corners, crevices, and similar surfaces to ensure that they receive a dry film thickness equivalent to that of flat surfaces.

Application Procedures: Apply coatings according to manufacturer's written instructions.

Spray Equipment: Use mechanical methods to apply coating as permitted by manufacturers written instructions and governing regulations.

Use spray equipment with orifice size recommended by manufacturer for material and texture required.

Minimum Coating Thickness: Apply each material no thinner than manufacturer's recommended spreading rate.
Provide total dry film thickness of the entire system as recommended by manufacturer.

Prime Coats: Before applying finish coats, apply a prime coat of material, as recommended by manufacturer, to material required to be coated or finished that has not been prime coated by others.

Recoat primed and sealed substrates immediately if there is evidence of suction spots or unsealed areas in first coat, to ensur e a finish coat with no burn -through or other defects caused by insufficient sealing.

Completed Work: Match approved Samples for shade and coverage. Remove, refinish, or recoat work that does not comply with specified requirements.

CLEANING

Immediately clean anti-graffiti coatings from adjoining surfaces and surfaces soiled or damaged by application as work progresses. Repair damage caused by application. Comply with manufacturer's written cleaning instructions.

PROTECTION

Protect work of other trades, whether being coated or not, against damage from coating operation. Correct damage by cleaning, repairing, replacing, and recoating, as approved by Architect, and leave in an undamaged condition.
Provide "Wet Paint" signs to protect newly coated finishes. After completing coating operations, remove temporary protective wrappings provided by others to protect their work.
At completion of construction activities of other trades, touch up and restore damaged or defaced coated surfaces.

END OF SECTION 09965

GPA-200 Performance Testing

Test	ASTM Specification	required performance	Test Performed	GPA-200
color uniformity		approval by applicator and architect	in-house/applicator	Pass
specular gloss	ASTM D 523	gloss value +- 5 units of specification	in-house gloss meter	Pass
dry film hardness	ASTM D 3363	no rupture	Powertech	Pass
Film Adhesion (dry)	Cross Hatch Adhesion	<10% failure	Applicator	Pass
Film Adhesion (wet)	Cross Hatch Adhesion	<10% failure	in-house/applicator	Pass
Film Adhesion (Boiling water)	Cross Hatch Adhesion	<10% failure	in-house	Pass
flexability	ASTM D522	no break - 1/8 inch mandrel	Powertech	Pass
abraision resistance				
falling abraisve	ASTM D968	2000L sand test		Pass
impact resistance	ASTM D2794	no chipping: Gardner Mandrel Impact - 13mm indenter with load of 2.7N-m		Pass
chemical resistance				
scaling resistance - chemicals	ASTM C672	no blistering or visual change after 80 cycles	Powertech	Pass
muriatic acid	Muriatic Acid Spot Test	no visual change and no blistering to naked eye	in-house	Pass
mortar resistance	24 hour pat test	mortar shall easily dislodge from surface	in-house	Pass
nitric acid resistance	30 minute exposure	no more than 5 delta E colour change	in-house	Pass
detergent resistance	72 hour immersion	no loss of adhesion to substrate	in-house	Pass
window cleaner resistance	24 hours watch glass test	no blistering or visual change	in-house	Pass
corrosion & biological resistance				
humidity resistance	4000 hours 100% RH	no formation of blisters or more than a "few" size no. 8 blisters	U of KY	Pass
salt spray resistance	4000 hours ASTM B117	minimum rating of 7 on scribe or cut edges	U of KY	Pass
color retention	Accelerated 5000 hours	see notes	U of KY	
chalk resistance	Accelerated 5000 hours	see notes	U of KY	
biological growth resistance	ASTM G2190	mixed fungal inoculum - Rating of 0 - incubation of 60 days	Smith Emory	Pass

Weathering:

Accelerated testing as specified by ASTM G23 was performed by James Hardie and the University of Kentucky to determine gloss and color retention of the GPA-200

James Hardies test results demonstrated 88% gloss retention and a Delta E of 2 after 4700 hours which is equivalent to 17 years exposure.

University of Kentucky performed 5000 hours of cyclic testing including prohesion, salt spray, freeze and thaw cycles and UV cabinet exposure. The panels were then exposed to an additional 3800 hours of UV cabinet testing. Test results showed a 10 rating for scribe creep, "few blisters" smaller than a rating of 8 and 80% gloss retention.

SEI CHEMICAL

FLAME SPREAD TESTING

The following information describes the flame spread rating of the GPA-200 aliphatic fluorinated polyurethane as specified by ASTM E84.

The test method to determine flame spread rating is ASTM E-84, “Method of Test of Surface Burning Characteristics of Building Materials.” The calculated flame spread rating is a relative number; it has no direct relationship to fire resistance rating. The ratings are classified into 3 groups;

Class A Flame Spread Rating 0-25
Class B Flame Spread Rating 26-75
Class C Flame Spread Rating 76-200

For standardization purposes, the flame spread rating of an asbestos-cement board is 0 and on red oak flooring the value is 100.

Based on information collected by our technical representative from Bayer Corp, and information provided by Omega Point, a test company that does flame spread testing, no aliphatic polyurethane resin system is capable of having a flame spread rating above 25.

Based on the information gathered from industry and technical, the GPA-200 fluorinated aliphatic system would fall under the Class A flame spread rating.

Thank you,

Craig Amen
Technical Sales Rep

SMITH-EMERY COMPANY
The Full Service Independent Testing Laboratory, Established 1904

781 East Washington Boulevard • Los Angeles, California 90021 • (213) 749-3411 • Fax: (213) 746-7228
P. O. Box 880550, Hunter's Point Shipyard Bldg. 114 • San Francisco, California 94188 • (415) 330-3000 • Fax: (415) 330-3030
5427 East La Palma Avenue • Anaheim, California 92807 • (714) 693-1026 • Fax: (714) 693-1034

File #: SC0583
Customer: SEI Chemical
Application:

Subject:Graffiti Resistance
Procedure: ASTM D-6578-00 section 9 Manual Solvent Rub
Results: See below

Discussion: Graffiti Resistance is based on how a defined set of markings is removed by a defined set of cleaning agents. The use of this practice was for the purpose of evaluating graffiti removal on SEI Graffiti Proofer. Sample substrate consisted of a smooth masonite board (9"x 12") which was spray coated with two coats Canyon Tone Stain – W-QS (sand beige) base coat and two coats of Graffiti Proofer top coat.
Sample (board) coatings were cured at lab temperature for aprx. 30 days. Graffiti marking material used included Solvent based ink marker (blue), and Solvent based spray paint (red). Marking material was applied and allowed to dry three days. Coated test specimens were then tested and evaluated for graffiti removal. If the marking is *completely* removed the test is finished and the surface rated for cleanability.

Cleaning Agent	Cleanable
Water	No
Dish Soap	No
Citrus Cleaner	Yes (ink) Yes (paint)
IPA	Yes(ink) Yes (paint)
MEK	Yes(ink) Yes(paint)

Gloss at 60 degrees
Initial gloss at area to be cleaned with MEK had an average value of 26.
After cleaning the gloss value increased slightly to average value of 29.

Prepared By:

Mike Gregson
Testing Technician

Craig Amen
Technical Director

Respectfully Submitted,
SMITH-EMERY COMPANY

JAMES E. PARTRIDGE
President
Registered Civil Engineer No : 25270
Registration Expires: 12/31/08

RESEARCH REPORT:
SEI Chemical
RR 25142-T 19215 Parthenia Street (CSI 09960)
Northridge, California 91324

Expires: April 1, 2005 March 19, 2003

Attn: Craig Amen

GENERAL APPROVAL
Renewal/Clerical Modification - SEI Anti-Stick Graffiti Proofer clear and colored coatings as a non-sacrificial anti-graffiti coating.

DETAILS
SEI Anti-Stick Graffiti Proofer clear and colored versions are two component coatings. Both are classified as non-sacrificial coating that do have significant perm rates and may be applied to concrete block, masonry concrete, plaster, drywall, metal or wood, etc. The may be applied on painted and unpainted surfaces.

The Approval is subject to the following conditions:

1. Anti-Graffiti coating must have the capability of having all types of paints and graffiti materials completely removed without damaging the uncoated surfaces to which they are applied.
2. The anti-graffiti coating and products required to remove graffiti from the coating must be non-toxic and comply with all applic ble requirements of the South Coast Air Quality Management Distric
3. The coating must be weather and rain resistant, abrasive resistant, peel resistant, ultraviolet resistant, non-yellowing and allow moisture vapor transmission as tested in accordance with applicable ASTM Standards.
4. The removal of graffiti shall cause little or no change in the appearance of the treated surface.
5. Disposal of graffiti removal by-products must conform to all state and city waste disposal regulations.

October 23, 2002

SEI CHEMICAL PERMANENT GRAFFITI COATINGS

- TESTING -

This letter is to verify the testing procedures conducted in 2002 at the city of Los Angeles for the permanent coating by SEI Chemical.

TEST CRITERIA:

1) Vendor was responsible for applying the product on 5 different substrates;
   Stucco painted
   Concrete painted
   Concrete not painted
   Cinder block wall Painted
   Cinder block wall not painted.

2) After 48 to 72 hours graffiti was applied using High Heat Krylon Enamel, using several colors. Additionally permanent marker pens of different colors was applied.

3) Graffiti remained on top of coating for 21 days.

4) Vendor returned and removed graffiti using the SEI Chemical Graffiti Remover Wipes.

5) Test results were based on 100% removal of graffiti and no damage to the coating or original substrate with ghosting.

This test process were conducted by Field Maintenance and Health & Safety. The results were that SEI Chemicals anti-graffiti coating passed and results were communicated to the City of Los Angeles, Department of Building & Safety.

6. Manufacturer shall provide a copy of instructions for application of the coating, material specifications, and method and materials required to remove graffiti for each job site.

7. SEI Anti-Stick Graffiti Proofer is limited to uses on commercial buildings and industrial structures. SEI Anti-Stick Graffiti Proofer in colors may be used on commercial and residential buildings as well on appropriate industrial structures.

DISCUSSION

The clerical modification is to change the contact person.

This approval is subject to the satisfactory performance of these two coatings based on field tests covering the above conditions. The notarized statement from the manufacturer certifying that the product complies with Conditions No. 1 thru 5 of this approval is on file with the Research Division. This report is approved on a temporary basis until more specific requirements are established.

Addressee to whom this Research Report is issued is responsible for providing copies of it, complete with any attachments indicated, to architects, engineers and builders using items approved herein in design or construction which must be approved by Department of Building and Safety Engineers and Inspectors.

This general approval of an equivalent alternate to the Code is only valid where an engineer and/or inspector of this Department has determined that all conditions of this approval have been met in the project in which it is to be used.

YEUAN CHOU, Chief
Engineering Research Section

SMITH-EMERY COMPANY
The Full Service Independent Testing Laboratory, Established 1904

785 East Washington Boulevard • Los Angeles, California 90021
P.O. Box 880550, Hunter's Point Shipyard Bldg. 114 • San Francisco, California 94188
3427 East La Palma Avenue • Anaheim, California 92807

File No.: 35531
Lab No.: T-99-250

August 2, 2004

CLIENT: SEI CHEMICAL
19215 Parthenia St. Unit B
Northridge, CA
91324
Attn: Ross Sklar

Subject: **SEI Graffiti Proofer & Curing Agent** **(Coverage Rate : 200 ft.^{2}/Gallon & NV = 20%)**
Type I, Class A
Specification: ASTM C 309-95 Liquid Membrane-Forming Compounds for Curing Concrete
Source: Submitted to Laboratory by Client

Report of Tests

WATER RETENTION TEST for CONCRETE CURING MATERIALS (ASTM C 309).

Coverage Rate used = 200 Ft.^{2}/Gal.

Non-Volatile Compound = 20.00%

	Sample #1	Sample #2	Sample #3
M1 (grams)	5,218.5	5,131.6	5,118.5
M2 (grams)	5,228.1	5,141.4	5,128.3
MA (grams)	9.60	9.80	9.50
M3 (grams)	5,196.6	5,110.2	5,096.8
ML (grams)	23.620	23.300	23.900
L, Kg./m^2	**0.51**	**0.50**	**0.51**
L, lbs./ft.^{2}	0.104	0.103	0.105

Requirements: ASTM C 309, Section 6 - The loss of water shall be restricted to not more than 0.55 kg/m^2 in 72 hours.

Respectfully Submitted,
SMITH-EMERY COMPANY

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Graffiti Remover Comparison

Performance Category	SEI Graffiti Remover SYS	Dun Edwards Gramover
Skin Contact	Will not produce any adverse effects. Extensive prolonged contact as with any chemical can produce irritation, but gloves are optional not recommended for intermittent use.	Contact will cause skin to burn and redness will occur. As stated in the MSDS rubber gloves are necessary.
Eye Contact	Safety glasses are not required.	Safety glasses are recommended by the manufacturer.
Inhalation	The product is approved by Caltrans and by the AQMD for use by workers without the use of a mask. Vapors will not cause harm.	As stated in the MSDS, vapors or mists will cause severe irritation and they will cause headache, nausea, coughing, chest pain and vomiting.
VOC content	90g/L	1,015g/L - State of California's limit is now 121g/L
Freezing Point	-50C	-10C
Combustion	Will not produce carbon monoxide or dioxide	Will produce carbon monoxide or dioxide
Coverage	350 square feet per gal	Not specified
Performance - Dwell Time	2 seconds to 40 seconds	As stated in Product Data: Graffiti or coating to be removed will soften within a couple of minutes. Removal usually takes two applications of product.
Optimum Performance Temperatures	- 40C to 40C	20C to 32C
Corrosion Prevention	Contains the CPT Molecule. A positively charged vapor corrosion inhibitor molecule that is extremely attracted to metal. It creates a durable and long-lasting mechanical and chemical bond with the metal.	No corrosion protection
Removal Procedure	Use a flushing of water or rag as paint/graffiti is visibly lifted from substrate	Spray with product allow to sit for a couple of minutes and then rinse with water
Limitations	Do not allow product to sit until the product dries.	1. Will adversely affect plastics, glue joints, and other surfaces as specified in the Product Data Sheet. 2. @ applications are usually required for 100% removal

Graffiti Remover Comparison

Performance Category	SEI Graffiti Remover SYS	Napier
Skin Contact	Will not produce any adverse effects. Extensive prolonged contact as with any chemical can produce irritation, but gloves are optional not recommended for intermittent use.	Contact will cause skin to burn and redness will occur. As stated in the MSDS rubber gloves are necessary.
Eye Contact	Safety glasses are not required.	Safety glasses are recommended by the manufacturer.
Inhalation	The product is approved by Caltrans and by the AQMD for use by workers without the use of a mask. Vapors will not cause harm.	As stated in the MSDS, vapors or mists will cause severe irritation and they will cause headache, nausea, coughing, chest pain and vomiting.
VOC content	90g/L	161g/L - State of California's limit is now 121g/L
Freezing Point	-50C	-10C
Combustion	Will not produce carbon monoxide or dioxide	Will produce carbon monoxide or dioxide
Coverage	350 square feet per gal	120 to 270 square feet per gal
Performance - Dwell Time	2 seconds to 40 seconds	As stated in Product Data: Graffiti or coating to be removed will soften within 10 minutes. Removal may take two applications of product.
Optimum Performance Temperatures	- 40C to 40C	20C to 32C
Corrosion Prevention	Contains the CPT Molecule. A positively charged vapor corrosion inhibitor molecule that is extremely attracted to metal. It creates a durable and long-lasting mechanical and chemical bond with the metal.	No corrosion protection
Removal Procedure	Use a flushing of water or rag as paint/graffiti is visibly lifted from substrate	For large surfaces use 600 psi pressure washer
Toxicity	Non-toxic ingredients	As stated in the MSDS, *Acetic acid branch alkyl ester*. This product is blended at 10% which is extremely high and it acts as an activator and is a dangerous substance.

Non-sacraficial Anti-Graffiti
Coating Comparison

Category	SEI Graffiti Proofer GPC-101	Dunn Edwards EFF-Stop Acrylic Primer/Sealer W 709	Dunn Edwards Ultra Shield Polyurethane Clear IP 631
Clear formulation	Comes in clear or pigmented, and the clear version is water clear	Yes	Yes
Color formulation	No	Can be pigmented	No
Yellowing	Gloss and non-gloss formulation	May occur	May occur
Whitening	None	No	No
Gloss	150	No	Yes
Flat	Make sure surface is clean and dry	Yes	No
Odor	45 minutes	Mild ester	Strong Aromatic
Color change of Substrate?	1	May darken	Yes
Surface Preparation	N/A	Clean	All glossy, glazed and slick-troweled surfaces must be etched so product adheres
Coverage: sq/ft	Water & Solvent formulations	200 @ 2-4 Mils DFT	200-300 @ 2-4 Mils DFT
Mixing Ratio	Modified fluorinated siloxane combined with a silicate	N/A	3:1
Cure Time - hrs.	Creates a very high slip surface	1	7 days
Coats Required	All spray paints, lacquers, enamels, inks, waxes, etc.	2 coats	2 coats of Topcoat 2 coats of Primer
Recoat Time hrs.	No	4 hours	16 hours
Water or Solvent based	Concrete, masonry, block, brick, stucco, stone, marble, wood, painted or unpainted, etc.	Water	Solvent

Clean Up	ASTM D-2934 Various Service Fluids AASHTO T-259 Resistance to Chloride Ion ASTM-E96 Water Vapor Transmission City of Los Angeles Graffiti Performance Test	Water	MEK (Hazardous)
Resin or Polymer Type	Any of the SEI graffiti Remover products or any generic cleaning product	Acrylic	2 part polyurethane
Primer, Sealer or coating initial Required?	No	Yes, minimum of 2 coats - 3 may be required. Block and very porous surfaces require a minimum of 3 coats	Yes, minimum of 2 coats - 3 may be required. Block and very porous surfaces require a minimum of 3 coats
Applicable Surfaces	26	All porous and non-porous	All porous and non-porous
Certifications	Yes	None	None
Graffiti Removal Procedure	15	N/A	Must use the Ultra Shield Gramover
Trained Applicator Required	Yes	No	No
Toxic	Yes	No	Yes
Chloride Resistance	Recommended	None	Yes
Longevity - yrs.	Recommended	2 years	Not specified
Perm Rate	No respirator required	Yes	None
UV Resistance	Solvent formula: 18 Water formula: 0	No	Yes
Goggles	Water formula: 32F Solvent formula: -66F	Required	Required
Gloves	No	Required	Required
Inhalation	No	Respirator mandatory	Respirator mandatory
VOC - g/L	No	100	420
Freezing Point		32F	40F
Flammable		N/A	High
Flash Point		N/A	32F
Combustion		N/A	Yes

Non-Sacrificial Anti-Graffiti Coatings Comparison

Category	SEI Anti-Stick Graffiti Proofer GPA-200	Prosoco SC-1	Prosoco Defacer Eraser Graffiti Barrier S	Professional Products of Kansas Water Repellant and Anti-Graffitiant
Clear	Yes	Yes	Yes	Yes
Yellowing	No	May yellow over stucco	May yellow	No
Gloss	Available in gloss or matte or flat (flat only in color)	No	No	No
Odor	Mild Solvent	Ammonia	Mild Ester	Petroleum
Coverage: sq/ft	300	150	100	150-1st Coat
Cure Time - hrs.	4	4	2	24
Coats Required	1	2-4	2-3	2
Recoat Time hrs.	45 min.	45 min.	2	45 min.
Water or Solvent based	Solvent	Water	Water	Solvent
Resin or Polymer Type	Fluorinated Modified Polymer	Acrylic	Product Data and MSDS does not specify	Silicone Rubber
Performance of Resin System	High-Slip	Provides soft barrier	Provides soft barrier	Provides soft barrier
Protects Against	Hydrocarbons, all graffiti, corrosion and a wide variety of chemicals.	Most spray paints	Spray paints and crayon	Most spray paints
Primer, sealer or initial coating required?	No	No	Yes	No

Applicable Surfaces	All porous and Non-porous	Concrete, metal, cement, plaster, wood, block	Masonry, metal, wood and some painted surfaces	Block, Brick, Concrete, Wood, Stone-not suitable for glass, plastic, metal, asphalt
Certifications	ASTM D-2934:Various Service Fluids AASHTO T-259: Resistance Chloride Ion ASTM-E96: Water Vapor Transmission Graffiti	None	None	
Graffiti Removal Procedure	Generic cleaners or any of the environmental SEI Graffiti Removers	Hot water 180F at 1500psi pressure wash	Must use Defacer Eraser Release product	Must use Professional Phase II Cleaner product
Solid Content - %	60	10	18	8-15
Chloride Resistance	Yes	No	No	Yes
Longevity - yrs.	50	5	5	10
Perm Rate	Yes	Yes	Yes	
UV Resistance	Yes	Yes	No	Yes
Goggles	Not required	Yes	Yes	Yes
Gloves	Recommended	Yes	Yes	Yes
Inhalation	Respirator not required	Must use respirator	Must use respirator	Must use respirator
VOC - g/L	190	195	105 Contains large amounts of propylene glycol	Less than 400
Flammable	Low Flammability	Yes	Yes	Yes
Flash Point	250F	200F	200F	105F
Combustion	No	Yes	Yes	Yes

Product Comparison Non-Sacrificial Anti-Graffiti Coatings

Category	SEI Anti-Stick Graffiti Proofer GPC-200	Dunn Edwards EFF-Stop Acrylic Primer/Sealer W 709	Dunn Edwards Ultra Shield Polyurethane Clear IP 631
Clear formulation	Yes	Yes	Yes
Color formulation	Yes	Can be pigmented	No
Yellowing	No	May occur	May occur
Whitening	No	No	No
Gloss	Yes	No	Yes
Flat	Yes	Yes	No
Odor	None	Mild ester	Strong Aromatic
Color change of Substrate?	No	May darken	Yes
Surface Preparation	None	Clean	All glossy, glazed and slick-troweled surfaces must be etched so product adheres
Coverage: sq/ft	300 @ 2-4 Mils DFT	200 @ 2-4 Mils DFT	200-300 @ 2-4 Mils DFT
Mixing Ratio	2:1	N/A	3:1
Cure Time - hrs.	4	1	7 days
Coats Required	1 Coat	2 coats	2 coats of Topcoat 2 coats of Primer
Recoat Time hrs.	45 minutes	4 hours	16 hours
Water or Solvent based	Solvent	Water	Solvent
Clean Up	Mineral Solvent	Water	MEK (Hazardous)
Resin or Polymer Type	Fluorinated modified Polymer	Acrylic	2 part ployuerathane
Primer, Sealer or coating initial Required?	No	Yes, minimum of 2 coats - 3 may be required. Block and very porous surfaces require a minimum of 3 coats	Yes, minimum of 2 coats - 3 may be required. Block and very porous surfaces require a minimum of 3 coats
Applicable Surfaces	All porous and non-porous	All porous and non-porous	All porous and non-porous
Certifications	ASTM D-2934: Various Service Fluids	None	None

Product Comparison Non-Sacrificial Anti-Graffiti Coatings

Certifications	ASTM D-2934: Various Service Fluids AASHTO T-259: Resistance Chloride Ion ASTM-E96: Water Vapor Transmission Graffiti Performance Test: Long-term durability, ease of application, ease of vandalism removal By City of Los Angeles, Caltrans, ACTA	None	None
Graffiti Removal Procedure	Generic cleaners or any of the environmental SEI Graffiti Removers	N/A	Must use the Ultra Shield Gramover
Trained Applicator Required	No	No	No
Toxic	No	No	Yes
Chloride Resistance	Yes	None	Yes
Longevity - yrs.	50 years	2 years	Not specified
Perm Rate	Yes	Yes	None
UV Resistance	Yes	No	Yes
Goggles	Not required	Required	Required
Gloves	Recommended	Required	Required
Inhalation	Respirator not required	Respirator mandatory	Respirator mandatory
VOC - g/L	190	100	420
Freezing Point	N/A	32F	40F
Flammable	Low	N/A	High
Flash Point	50F	N/A	32F
Combustion	No	N/A	Yes

Product Comparison
Non-Sacrificial Anti-Graffiti Coatings

Category	SEI Anti-Stick Graffiti Proofer GPC-200	American Polymer Primer VU Base Coatings	American Polymer GSS-10 Anti-Graffiti Top Coat
Clear formulation	Yes	Yes	Yes
Color formulation	Yes	No	Yes
Yellowing	No	No	Known to over time
Whitening	No	No	Known to with moisture in structure
Gloss	Yes	No	Yes
Flat	Yes	Yes	Yes
Odor	None	None	Hydrocarbon
Color change of Substrate?	No	No	Yes
Surface Preparation	None	Clean	All glossy, glazed and slick-troweled surfaces must be etched so product adheres
Coverage: sq/ft	350-375	100	125
Cure Time - hrs.	4 hrs.	24 hours	5-7 days
Coats Required	1 Coat	2 to 3 coats	2 coats System requires 5 coats total
Recoat Time hrs.	15 minutes	2 hours	2 hours
Water or Solvent based	Solvent	Water	Solvent
Clean Up	Mineral Solvent	Water	MEK (Hazardous)
Resin or Polymer Type	Fluorinated modified Polymer	Acrylic	2 part polyurethane
Primer, Sealer or coating initial Required?	No necessary but can be used	Yes, minimum of 2 coats - 3 may be required. Block and very porous surfaces require a minimum of 3 coats	Yes, minimum of 2 coats - 3 may be required. Block and very porous surfaces require a minimum of 3 coats
Applicable Surfaces	All porous and non-porous	All porous and non-porous	All porous and non-porous

Certifications	ASTM D-2934: Various Service Fluids AASHTO T-259: Resistance Chloride Ion ASTM-E96: Water Vapor Transmission Graffiti Performance Test: Long-term durability, ease of application, ease of vandalism removal By City of Los Angeles, Caltrans, ACTA	None	Rust Test: ASTM-D610-85 Abrasion: ASTM D-968
Graffiti Removal Procedure	Generic cleaners or any of the environmental SEI Graffiti Removers	N/A	Must use the American Polymer Graffiti Remover
Trained Applicator Required	No	Yes	Yes - Must buy system (application and product) through applicator. If there is no applicator in your area they can certify one for $2500.00US and 2 day training.
Toxic	No	No	Yes
Chloride Resistance	Yes	None	None
Longevity - yrs.	30 years	5 years	20-25 years
Perm Rate	Yes	Yes	None
UV Resistance	Yes	No	Yes
Goggles	Not required	Required	Required
Gloves	Recommended	Required	Required
Inhalation	Respirator not required	Respirator mandatory	Respirator mandatory
VOC - g/L	190	N/A	210
Freezing Point	N/A	32F	40F
Flammable	Low	N/A	High
Flash Point	50F	N/A	32.8F

Combustion	No	N/A	Yes

Non-Sacrificial Anti-Graffiti Coatings Comparison

Category	SEI Anti-Stick Graffiti Proofer GPA-200	ABR" Non Sacrificial Graffiti Barrier
Non-Sacrificial	Yes	No - as written in Prd. Data - after graffiti is removed re-apply 2 coats
Yellowing	No	No
Whitening	No	No
Gloss	Available in gloss or flat	No
Odor	None	None
Color change of Substrate?	No	No
Surface Preparation	None	Clean
Coverage: sq/ft	350-400	100-150 on unpainted surfaces. 200-250 on painted surfaces
Cure Time - hrs.	5 hrs.	24 hours
Coats Required	1 Coat	2 to 3 coats
Recoat Time hrs.	15 minutes	2 hours
Water or Solvent based	Solvent	Water
Clean Up	Mineral Solvent	Water
Resin or Polymer Type	Fluorinated modified Polymer	2 part ployuerathane
Primer, Sealer or coating initial Required?	No	Sealer may be needed depending n substrate
Applicable Surfaces	All porous and non-porous	Painted wood, aluminum, metal, masonry, brick, concrete and vinyl
Certifications	ASTM D-2934: Various Service	None

Certifications	ASTM D-2934: Various Service Fluids AASHTO T-259: Resistance Chloride Ion ASTM-E96: Water Vapor Transmission Graffiti Performance Test: Long-term durability, ease of application, ease of vandalism removal By City of Los Angeles, Caltrans, ACTA	None
Graffiti Removal Procedure	Generic cleaners or any of the environmental SEI Graffiti Removers	Must use ABR Removers
Trained Applicator Required	No	No
Toxic	No	Yes
Chloride Resistance	Yes	None
Longevity - yrs.	40 years	Sacrificial in nature
Perm Rate	Yes	No
UV Resistance	Yes	Yes
Gloves	Recommended	Required
Inhalation	Respirator not required	Respirator recommended
VOC - g/L	140	N/A
Freezing Point	N/A	32F - 0C
Flammable	Low	N/A

Non-Sacrificial Anti-Graffiti Coatings Comparison

Category	SEI Anti-Stick Graffiti Proofer GPC-200	Tamms - Aquathane Anti-Graffiti Protective Coating
Clear formulation	Yes	Yes
Color formulation	Yes	Yes
Yellowing	No	Yellowish cast can occur under clear coat
Whitening	No	Matte formulation can
Gloss	Yes	Yes
Flat	Yes	Yes
Odor	None	petroleum
Color change of Substrate?	No	Darken
Surface Preparation	None	Clean
Coverage: sq/ft	300	300
Total Cure Time - hrs.	4 hrs.	15 days
Coats Required	1 Coat	2 coats
Recoat Time hrs.	45 minutes	2-4 hours
Water or Solvent based	Solvent	Solvent
Clean Up	Mineral Solvent	MEK (Hazardous)
Resin or Polymer Type	Fluorinated modified Polymer	Urethane
Primer, Sealer or coating initial Required?	No	Yes 2 coats
Applicable Surfaces	All porous and non- porous	All porous and non- porous
Certifications	ASTM D-2934: Various	None

Certifications	ASTM D-2934: Various Service Fluids AASHTO T-259: Resistance Chloride Ion ASTM-E96: Water Vapor Transmission Graffiti Performance Test: Long-term durability, ease of application, ease of vandalism removal By City of Los Angeles, Caltrans, ACTA	None
Graffiti Removal Procedure	Generic cleaners or any of the environmental SEI Graffiti Removers	Commercially available Graffiti Removers
Trained Applicator Required	No	No
Pot Life - hrs.	8	4
Toxic	No	Yes
Chloride Resistance	Yes	Not specified
Longevity - yrs.	50 years	Not specified
Perm Rate	Yes	No
UV Resistance	Yes	Yes
Goggles	Not required	Required
Gloves	Recommended	Required
Inhalation	Respirator not required	Respirator mandatory
VOC - g/L	190	340
Freezing Point	N/A	32F
Flammable	Low	N/A
Flash Point	50F	N/A
Combustion	No	N/A
Price per	$1.00 one coat needed	80 cents 2 coats required

Non-Sacrificial Anti-Graffiti Coatings Comparison

Category	SEI Graffiti Proofer	Prosoco SC-1	Diedrich Omegaseal 333
Clear	Comes in clear or pigmented, and the clear version is water clear	Yes	Yes
Yellowing	No	May yellow over stucco	No, but may cause black staining on cedar or redwood.
Gloss	Gloss and non-gloss formulation	No	No
Odor	Light solvent	Ammonia	Kerosene or Gasoline
Coverage: sq/ft	150	150	150
Application Restrictions	Make sure surface is clean and dry	Make sure surface is clean and dry.	Make sure surface is clean and dry. Surface must be unpolished.
Cure Time - hrs.	45 minutes	4	2
Coats Required	1-2	2-4	2
Recoat Time	N/A	45 min.	24 hours
Water or Solvent based	Water & Solvent formulations	Water	Solvent
Resin or Polymer Type	Modified fluorinated siloxane combined with a silicate	Acrylic	Silicone
Performance of Resin System	Creates a very high slip surface	Provides soft barrier	Provides soft barrier
Protects Against?	All spray paints, lacquers, enamels, inks, waxes, etc.	Most spray paints	Most common spray paints
Primer, Sealer or coating initial Required?	No	No	No
Applicable Surfaces	Concrete, masonry, block, brick, stucco, stone, marble, wood, painted or unpainted, etc.	Concrete, metal, cement, plaster, wood, block	Concrete, Masonry, Brick, Stone, Split Face Block, Wood
Certifications	ASTM D-2934 Various	None	None

Certifications	ASTM D-2934 Various Service Fluids AASHTO T-259 Resistance to Chloride Ion ASTM-E96 Water Vapor Transmission City of Los Angeles Graffiti Performance Test	None	None
Graffiti Removal Procedure	Any of the SEI graffiti Remover products or any generic cleaning product	Hot water 180F at 1500psi pressure wash	Diedrich paint stripper product, assisted by high-pressure wash
Toxicity	No	Yes	
Solid Content - %	26	10	6-20
Chloride Resistance	Yes	No	No
Longevity - yrs.	15	5	2
Perm Rate	Yes	Yes	Yes
UV Resistance	Yes	Yes	Yes
Goggles	Recommended	Yes	Yes
Gloves	Recommended	Yes	Yes
Inhalation	No respirator required	Respirator Required	Respirator Required
VOC - g/L	180	195	300
Freezing Point	Water formula: 32F Solvent Formula: -66	32F	32F
Flammable	No	Yes	Yes
Flash Point	No	200F	105F

Non-Sacrificial Anti-Graffiti Coatings Comparison

Category	SEI Graffiti Proofer	Monochem Perma Shield
Clear	Comes in clear or pigmented, and the clear version is water clear	Yes
Yellowing	No	May yellow and/or whiten
Gloss	Gloss and non-gloss formulation	No
Odor	None	Ester
Coverage: sq/ft	150	200
Application Restrictions	Make sure surface is clean and dry	Must be applied between 50F and 100F, surface must be clean and dry
Cure Time - hrs.	45 minutes	1
Coats Required	1	1 coat base ME-12 water repellant, 2-3 anti-graffitiant
Recoat Time hrs.	N/A	36 hours after base coat, 45 mins. in between each anti-graffitiant coat
Water or Solvent based	Water & Solvent formulations	Water
Resin or Polymer Type	Modified fluorinated siloxane combined with a silicate	Acrylic
Performance of Resin System	Creates a very high slip surface	Provides soft barrier
Protects Against?	All spray paints, lacquers, enamels, inks, waxes, etc.	Certain types of spray paints
Primer, sealer or initial coating required?	No	Aquaseal ME12 Primer required
Applicable Surfaces	Concrete, masonry, block, brick, stucco, stone, marble, wood, painted or unpainted, etc.	Concrete, metal, cement, plaster, wood, block
Certifications	ASTM D-2934 Various Service Fluids AASHTO T-259 Resistance to Chloride Ion ASTM-E96 Water Vapor Transmission City of Los Angeles	None

Certifications	ASTM D-2934 Various Service Fluids AASHTO T-259 Resistance to Chloride Ion ASTM-E96 Water Vapor Transmission City of Los Angeles Graffiti Performance Test	None
Graffiti Removal Procedure	Any of the SEI graffiti Remover products or any generic cleaning product	Hot water 190F with 2000 psi pressure wash.
Toxicity	No	No
Solid Content - %	26	16
Chloride Resistance	Yes	No
Longevity - yrs.	15	2
Perm Rate	Yes	Yes
UV Resistance	Yes	Yes
Goggles	Recommended	Yes
Gloves	Recommended	Yes
Inhalation	No respirator required	No respirator required

Non-Sacrificial Anti-Graffiti Coatings Comparison

Category	SEI Anti-Stick Graffiti Proofer GPC-200	Professional Products of Kansas Water Repellant and Anti-Graffitiant
Clear formulation	Yes	Yes
Color formulation	Yes	No
Yellowing	No	No
Whitening	No	No
Gloss	Available in gloss or matte	No
Flat	Yes	Yes
Odor	None	Petroleum
Surface Preparation	None	Clean, Dry
Coverage: sq/ft	300 @ 2-4 Mils DFT	150-1st Coat 125-175 2nd Coat
Cure Time - hrs.	4	24
Coats Required	1 Coat	2 coats
Recoat Time hrs.	45 minutes	1 hour
Water or Solvent based	Solvent	Solvent
Resin or Polymer Type	Fluorinated modified Polymer	Silicone Rubber
Primer, Sealer or coating initial Required?	No	No
Applicable Surfaces	All porous and non-porous	Block, Brick, Wood, Stone-Not suitable for glass, plastic, metal, asphalt
Certifications	ASTM D-2934: Various Service Fluids AASHTO T-259: Resistance Chloride Ion ASTM-E96: Water Vapor Transmission Graffiti Performance Test: Long-term durability, ease of application, ease of vandalism removal By City of Los Angeles, Caltrans, ACTA	None
Graffiti Removal Procedure	Generic cleaners or any of the environmental SEI Graffiti Removers	Must use Professional Phase II Cleaning Product

Non-Sacrificial Anti-Graffiti Coatings Comparison

Chloride Resistance	Yes	Yes
Longevity - yrs.	50 years	5-10 years
Perm Rate	Yes	Yes
UV Resistance	Yes	Yes
Goggles	Not required	Required
Gloves	Recommended	Required
Inhalation	Respirator not required	Respirator mandatory
VOC - g/L	190	350
Flammable	Low	Yes
Flash Point	50F	105F
Combustion	No	Yes

Sacrificial Anti-Graffiti Coatings Comparison

Category	SEI Graffiti Proofer	Genesis Graffiti Melt
Clear	Comes in clear or pigmented, and the clear version is water clear	Yes
Yellowing	No	May yellow
Gloss	Gloss and non-gloss formulation	No
Odor	None	Ester Odor
Coverage: sq/ft	150	150
Application Restrictions	Make sure surface is clean and dry	Must be primed with a waterproofing coating.
Cure Time - hrs.	45 minutes	24 hours
Coats Required	1	2
Recoat Time hrs.	N/A	45 min.
Water or Solvent Base	Water & Solvent formulations	Water
Resin or Polymer Type	Modified fluorinated siloxane combined with a silicate	Wax
Performance of Resin System	Creates a very high slip surface	Provides soft barrier
Protects Against?	All spray paints, lacquers, enamels, inks, waxes, etc.	Product Data does not specify
Primer, sealer or initial coating required?	No	Waterproofing primer required
Applicable Surfaces	Concrete, masonry, block, brick, stucco, stone, marble, wood, painted or unpainted, etc.	Concrete, block, stucco, brick

Certifications	ASTM D-2934 Various Service Fluids AASHTO T-259 Resistance to Chloride Ion ASTM-E96 Water Vapor Transmission City of Los Angeles Graffiti Performance Test	None
Graffiti Removal Procedure	Any of the SEI graffiti Remover products or any generic cleaning product	Must use Genesis Graffiti Eaze Away or Graffiti Terminator or hot water pressure washer
Toxicity	No	No
Solid Content - %	40	30
Chloride Resistance	Yes	No
Longevity - yrs.	15	2
Perm Rate	Yes	Yes
UV Resistance	Yes	No
Goggles	Recommended	Yes
Gloves	Recommended	Yes
Inhalation	No respirator required	No respirator required
VOC - g/L	Solvent formula: 18 Water formula: 0	0
Freezing Point	Water formula: 32F Solvent formula: -66F	32F
Flammable	No	No
Flash Point	No	No
Combustion	No	No

Sacrificial Anti-Graffiti Coatings Comparison

Category	SEI Graffiti Proofer GPC-103	Monochem Perma Shield	Prosoco SC-1	Prosoco Defacer Eraser Graffiti Barrier S
Clear	Comes in clear or pigmented, and the clear version is water clear	Yes	Yes	Yes
Yellowing	No	May yellow and/or whiten	May yellow over stucco	May yellow
Gloss	non-gloss formulation	No	No	No
Odor	None	Ester	Ammonia	Mild Ester
Coverage: sq/ft	150	200	150	100
Application Restrictions	Make sure surface is clean and dry	Must be applied between 50F and 100F	Make sure surface is clean and dry.	Make sure surface is clean and dry.
Cure Time - hrs.	45 minutes	1	4	2
Coats Required	1	2 minimum	2-4	2-3
Recoat Time hrs.	N/A	45 min	45 min	2
Water or Solvent based	Water & Solvent formulations	water	water	water
Resin or Polymer Type	Modified fluorinated siloxane combined with a silicate	Acrylic	Acrylic	Product Data and MSDS does not specify
Performance of Resin System	Creates a very high slip surface	Provides soft barrier	Provides soft barrier	Provides soft barrier
Protects Against?	All spray paints, lacquers, enamels, inks, waxes, etc.	Certain types of spray paints	Most spray paints	Spray paints and crayon
Primer, sealer or initial coating required?	No	Aquaseal ME12 Primer required	No	Yes
Applicable	Concrete, masonry,	Concrete, metal,	Concrete, metal,	Masonry,

Applicable Surfaces	Concrete, masonry, block, brick, stucco, stone, marble, wood, painted or unpainted, etc.	Concrete, metal, cement, plaster, wood, block	Concrete, metal, cement, plaster, wood, block	Masonry, metal, wood and some painted surfaces
Certifications	ASTM D-2934 Various Service Fluids AASHTO T-259 Resistance to Chloride Ion ASTM-E96 Water Vapor Transmission City of Los Angeles Graffiti Performance Test	None	None	None
Graffiti Removal Procedure	Any of the SEI graffiti Remover products	Hot water 190F with 2000 psi pressure wash.	Hot water 180F at 1500psi pressure wash	Must use Defacer Eraser Release product
Toxicity	No	No	Yes	Yes
Solid Content - %	26	16	10	18
Chloride Resistance	Yes	No	No	No
Longevity - yrs.	15	2	5	5
Perm Rate	Yes	Yes	Yes	Yes
UV Resistance	Yes	Yes	Yes	No
Goggles	Recommended	Yes	Yes	Yes
Gloves	Recommended	Yes	Yes	Yes
Inhalation	No respirator required	No respirator required		Must use respirator
VOC - g/L	Solvent formula: 18 Water formula: 0	0	195	105 Contains large amounts of propylene glycol
Freezing Point	Water formula: 32F Solvent formula: -66F	32F	32F	30F
Flammable	No	No	Yes	Yes
Flash Point	No	No	200F	200F

Sacrificial Anti-Graffiti Coatings Comparison

Category	SEI Graffiti Proofer	Chemprobe Conformal Clear Anti-Graffiti	Prosoco WB
Clear	Comes in clear or pigmented, and the clear version is water clear	Yes	Yes
Yellowing	No	May yellow over stucco	May yellow over stucco
Gloss	Gloss and non-gloss formulation	No	No
Odor	None	Solvent	Ammonia
Coverage: sq/ft	150	125	150
Application Restrictions	Make sure surface is clean and dry	Do not apply at temperatures over 90F or under 40F	Make sure surface is clean and dry.
Cure Time - hrs.	45 minutes	36	4
Coats Required	1	2 minimum	2-4
Recoat Time hrs.	N/A	2	45 min
Water or Solvent based	Water & Solvent formulations	Solvent	water
Resin or Polymer Type	Modified fluorinated siloxane combined with a silicate	Acrylic	Acrylic
Performance of Resin System	Creates a very high slip surface	Provides soft barrier	Provides soft barrier
Protects Against?	All spray paints, lacquers, enamels, inks, waxes, etc.	Some spray paints	Most spray paints
Primer, Sealer or coating initial Required?	No	Yes, if there is no primer sealer used coating will not repel water and may peel	No
Applicable	Concrete, masonry,	Masonry, stucco,	Concrete, metal,

Applicable Surfaces	Concrete, masonry, block, brick, stucco, stone, marble, wood, painted or unpainted, etc.	Masonry, stucco, concrete, and only unpainted surfaces	Concrete, metal, cement, plaster, wood, block
Certifications	ASTM D-2934 Various Service Fluids AASHTO T-259 Resistance to Chloride Ion ASTM-E96 Water Vapor Transmission City of Los Angeles Graffiti Performance Test	None	None
Graffiti Removal Procedure	Any of the SEI graffiti Remover products or any generic cleaning product	Aggressive cleaning solvents	Hot water 180F at 1500psi pressure wash
Toxicity	No	Yes, Health and Safety warning in Product Data	Yes
Solid Content - %	26	22	10
Chloride Resistance	Yes	No	No
Longevity - yrs.	15	5	5
Perm Rate	Yes	Yes	Yes
UV Resistance	Yes	No	Yes
Goggles	Recommended	Mandatory	Yes
Gloves	Recommended	Mandatory	Yes
Inhalation	No respirator required	Must use respirator	Must use respirator
VOC - g/L	18	729	195
Freezing Point	Water formula: 32F Solvent Formula: -66	-40	32F
Flammable	No	Yes	Yes
Flash Point	No	69F	200F

Sacrificial Anti-Graffiti Coatings Comparison

Category	SEI Graffiti Proofer	Rain Guard VandlTop Div 9 - CSI Section 9900	Monopole Perma Shield	Prosoco Defacer Eraser Graffiti Barrier S
Clear	Comes in clear or pigmented, and the clear version is water clear	Yes	Yes	Yes
Yellowing	No	May yellow and/or whiten	May yellow and/or whiten	May yellow
Gloss	Gloss and non-gloss formulation	No	No	No
Odor	None	Like oil based latex	Ester	Mild Ester
Coverage: sq/ft	150	150	200	100
Application Restrictions	Make sure surface is clean and dry	Do not apply: below 50F, relative humidity is greater than 80%, in direct sunlight, in windy conditions	Must be applied between 50F and 100F	Make sure surface is clean and dry.
Cure Time - hrs.	45 minutes	36-48	1	2
Coats Required	1	2 minimum	2 minimum	2-3
Recoat Time hrs.	N/A	2	45 min	2
Water or Solvent based	Water & Solvent formulations	water	water	water
Resin or Polymer Type	Modified fluorinated siloxane combined with a silicate	Acrylic	Acrylic	Product Data and MSDS does not specify
Performance of Resin System	Creates a very high slip surface	Provides soft barrier	Provides soft barrier	Provides soft barrier
Protects Against?	All spray paints, lacquers, enamels, inks, waxes, etc.	Most spray paints & marker	Certain types of spray paints	Spray paints and crayon
Primer, sealer or initial coating required?	No	Yes, or coating will turn white	Aquaseal ME12 Primer required	Yes

Applicable Surfaces	Concrete, masonry, block, brick, stucco, stone, marble, wood, painted or unpainted, etc.	Masonry, stucco, concrete, painted or unpainted	Concrete, metal, cement, plaster, wood, block	Masonry, metal, wood and some painted surfaces
Certifications	ASTM D-2934 Various Service Fluids AASHTO T-259 Resistance to Chloride Ion ASTM-E96 Water Vapor Transmission City of Los Angeles Graffiti Performance Test	None	None	None
Graffiti Removal Procedure	Any of the SEI graffiti Remover products or any generic cleaning product	Hot Water - 190F	Hot water 190F with 2000 psi pressure wash.	Must use Defacer Eraser Release product
Toxicity	No	No	No	Yes
Solid Content - %	26	18	16	18
Chloride Resistance	Yes	No	No	No
Longevity - yrs.	15	5	2	5
Perm Rate	Yes	Yes	Yes	Yes
UV Resistance	Yes	No	Yes	No
Goggles	Recommended	Yes	Yes	Yes
Gloves	Recommended	Yes	Yes	Yes
Inhalation	No respirator required	Must use respirator	No respirator required	Must use respirator
VOC - g/L	Solvent formula: 18 Water formula: 0	80	0	105 Contains large amounts of propylene glycol
Freezing Point	Water formula: 32F Solvent formula: -66F	32F	32F	30F
Flammable	No	No	No	Yes
Flash Point	No	No	No	200F
Combustion	No	No	No	Yes

Sacrificial Anti-Graffiti Coatings Comparison

Category	SEI Graffiti Proofer	Rain Guard VandlTop	Fiberlock Street Fighter
Clear	Comes in clear or pigmented, and the clear version is water clear	Yes	Yes
Yellowing	No	May yellow and/or whiten	No
Gloss	Gloss and non-gloss formulation	No	No
Odor	None	Like oil based latex	Petroleum
Coverage: sq/ft	150	150	125
Application Restrictions	Make sure surface is clean and dry	Do not apply: below 50F, relative humidity is greater than 80%, in direct sunlight, in windy conditions	Surface must be clean and dry, Do not apply at temperatures below 40F, Smooth cured concrete may require abrasion to obtain proper adhesion
Cure Time - hrs.	45 minutes	36-48	24
Coats Required	1	2 minimum	2-3
Recoat Time hrs.	N/A	2	1
Water or Solvent based	Water & Solvent formulations	Water	Solvent
Resin or Polymer Type	Modified fluorinated siloxane combined with a silicate	Acrylic	Acrylic
Performance of Resin System	Creates a very high slip surface	Provides soft barrier	Provides soft barrier
Protects Against?	All spray paints, lacquers, enamels, inks, waxes, etc.	Most spray paints & marker	Most spray paints & marker

Primer, Sealer or coating initial Required?	No	Yes, or coating will turn white	No
Applicable Surfaces	Concrete, masonry, block, brick, stucco, stone, marble, wood, painted or unpainted, etc.	Masonry, stucco, concrete, painted or unpainted	Brick, Concrete, Painted surfaces, Copper, Aluminum
Certifications	ASTM D-2934 Various Service Fluids AASHTO T-259 Resistance to Chloride Ion ASTM-E96 Water Vapor Transmission City of Los Angeles Graffiti Performance Test	Not Listed	Not Listed
Graffiti Removal Procedure	Any of the SEI graffiti Remover products or any generic cleaning product	Hot Water - 190F	Use a solvent such as xylol and rinse thoroughly-then need to reapply 2-3 coats of coating.
Toxicity	No	No	No
Solid Content - %	26	18	20
Chloride Resistance	Yes	No	No
Longevity - yrs.	15	5	5-10
Perm Rate	Yes	Yes	Low vapor transmission rate
UV Resistance	Yes	No	Yes
Goggles	Recommended	Yes	Yes
Gloves	Recommended	Yes	Yes

Inhalation	No respirator required	Must use respirator	Must use respirator
VOC - g/L	18	80	600
Freezing Point	Water formula: 32F Solvent Formula: -66	32F	-50
Flammable	No	No	Yes
Flash Point	No	No	108F
Combustion	No	No	Yes

Sacrificial Anti-Graffiti Coatings Comparison

Category	**SEI Graffiti Proofer**	**Rain Guard VandlTop Div 9 - CSI Section 9900**	**L.M. Scofield Repello** (Sealer, not anti-graffiti)
Clear	Comes in clear or pigmented, and the clear version is water clear	Yes	Yes
Yellowing	No	May yellow and/or whiten	No, but may stain surface
Gloss	Gloss and non-gloss formulation	No	No
Odor	None	Like oil based latex	Ester
Coverage: sq/ft	150	150	150-250
Application Restrictions	Make sure surface is clean and dry	Do not apply: below 50F, relative humidity is greater than 80%, in direct sunlight, in windy conditions	Must be applied between 50F and 100F
Cure Time - hrs.	45 minutes	36-48	5
Coats Required	1	2 minimum	2 minimum
Recoat Time hrs.	N/A	2	45 mins.
Water or Solvent based	Water & Solvent formulations	water	Water
Resin or Polymer Type	Modified fluorinated siloxane combined with a silicate	Acrylic	Not specified
Performance of Resin System	Creates a very high slip surface	Provides soft barrier	Provides soft barrier
Protects Against?	All spray paints, lacquers, enamels, inks, waxes, etc.	Most spray paints & marker	Food, oil, chemical staining. Product says nothing about graffiti protection

Primer, Sealer or coating initial Required?	No	Yes, or coating will turn white	2 coats
Applicable Surfaces	Concrete, masonry, block, brick, stucco, stone, marble, wood, painted or unpainted, etc.	Masonry, stucco, concrete, painted or unpainted	Concrete, Block
Certifications	ASTM D-2934 Various Service Fluids AASHTO T-259 Resistance to Chloride Ion ASTM-E96 Water Vapor Transmission City of Los Angeles Graffiti Performance Test	None	None
Graffiti Removal Procedure	Any of the SEI graffiti Remover products or any generic cleaning product	Hot Water - 190F	Not meant to be removed
Toxicity	No	No	Yes
Solid Content - %	26	18	
Chloride Resistance	Yes	No	No
Longevity - yrs.	15	5	2
Perm Rate	Yes	Yes	Yes
UV Resistance	Yes	No	No
Goggles	Recommended	Yes	Yes
Gloves	Recommended	Yes	Yes
Inhalation	No respirator required	Must use respirator	Must use respirator

Sacrificial Anti-Graffiti Coatings Comparison

Category	SEI Graffiti Proofer	Rain Guard VandlTop Div 9 - CSI Section 9900	Tex-Cote Graffiti Guard	Prosoco SC-1
Clear	Comes in clear or pigmented, and the clear version is water clear	Yes	Yes	Yes
Yellowing	No	May yellow and/or whiten	May yellow over stucco	May yellow over stucco
Gloss	Gloss and non-gloss formulation	No	Yes	No
Odor	None	Like oil based latex	Ester	Ammonia
Coverage: sq/ft	150	150	150-250	150
Application Restrictions	Make sure surface is clean and dry	Do not apply: below 50F, relative humidity is greater than 80%, in direct sunlight, in windy conditions	Must be applied between 50F and 100F	Make sure surface is clean and dry.
Cure Time - hrs.	45 minutes	36-48	5	4
Coats Required	1	2 minimum	2 minimum	2-4
Recoat Time hrs.	N/A	2	45 min	45 min
Water or Solvent based	Water & Solvent formulations	water	water	water
Resin or Polymer Type	Modified fluorinated siloxane combined with a silicate	Acrylic	Acrylic	Acrylic
Performance of Resin System	Creates a very high slip surface	Provides soft barrier	Provides soft barrier	Provides soft barrier
Protects Against?	All spray paints, lacquers, enamels, inks, waxes, etc.	Most spray paints & marker	Certain types of spray paints	Most spray paints
Primer,	No	Yes, or coating	Apply the	No

Primer, Sealer or coating initial Required?	No	Yes, or coating will turn white	Apply the Graffiti Guard Ty Cote 1st.	No
Applicable Surfaces	Concrete, masonry, block, brick, stucco, stone, marble, wood, painted or unpainted, etc.	Masonry, stucco, concrete, painted or unpainted	Concrete, metal, cement, plaster, wood, block	Concrete, metal, cement, plaster, wood, block
Certifications	ASTM D-2934 Various Service Fluids AASHTO T-259 Resistance to Chloride Ion ASTM-E96 Water Vapor Transmission City of Los Angeles Graffiti Performance Test	None	None	None
Graffiti Removal Procedure	Any of the SEI graffiti Remover products or any generic cleaning product	Hot Water - 190F	Hot water 190F with 900 psi pressure wash.	Hot water 180F at 1500psi pressure wash
Toxicity	No	No	No	Yes
Solid Content - %	26	18		10
Chloride Resistance	Yes	No	No	No
Longevity - yrs.	15	5	5	5
Perm Rate	Yes	Yes	Yes	Yes
UV Resistance	Yes	No	No	Yes
Goggles	Recommended	Yes	Yes	Yes
Gloves	Recommended	Yes	Yes	Yes
Inhalation	No respirator required	Must use respirator	Must use respirator	
VOC - g/L	18	80	45	195
Freezing Point	Water formula: 32F Solvent Formula: -66	32F	32F	32F
Flammable	No	No	No	Yes
Flash Point	No	No	No	200F

Sacrificial Anti-Graffiti Coatings Comparison

Category	SEI Graffiti Proofer	Prosoco Blok-Guard & Graffiti Control
Clear	Comes in clear or pigmented, and the clear version is water clear	Yes
Yellowing	No	May yellow over stucco
Gloss	Gloss and non-gloss formulation	No
Odor	None	Petroleum
Coverage: sq/ft	150	150
Application Restrictions	Make sure surface is clean and dry	Make sure surface is clean and dry. Do not over apply will result in substrate color change
Cure Time - hrs.	45 minutes	24
Coats Required	1	2
Recoat Time hrs.	N/A	2
Water or Solvent based	Water & Solvent formulations	Solvent
Resin or Polymer Type	Modified fluorinated siloxane combined with a silicate	Generic Silicone
Performance of Resin System	Creates a very high slip surface	Used as moisture barrier for above grade surfaces only
Protects Against?	All spray paints, lacquers, enamels, inks, waxes, etc.	Product data does not specify
Primer, Sealer or coating initial Required?	No	No - 2 coats required of same product
Applicable Surfaces	Concrete, masonry, block, brick, stucco, stone, marble, clays, limestone, granite, slate, sandstone, marble, wood, painted or unpainted, etc.	Concrete, block, clay, granite, slate
Certifications	ASTM D-2934 Various Service	None

Certifications	ASTM D-2934 Various Service Fluids AASHTO T-259 Resistance to Chloride Ion ASTM-E96 Water Vapor Transmission City of Los Angeles Graffiti Performance Test	None
Graffiti Removal Procedure	Any of the SEI graffiti Remover products or any generic cleaning product	Must use the Prosoco remover
Toxicity	No	Yes
Cancer Causing	No	States on MSDS under Regulatory Information: Product is known to and recognized by the State of CA to cause Cancer.
Solid Content - %	26	MSDS does not specify
Chloride Resistance	Yes	No
Longevity - yrs.	15	Product Data does not specify
Perm Rate	Yes	Yes
UV Resistance	Yes	Yes
Goggles	Recommended	Yes
Gloves	Recommended	Yes
Inhalation	No respirator required	Respirator required
VOC - g/L	18	725 - Far over legal limit
Freezing Point	Water formula: 32F Solvent Formula: -66	N/A
Flammable	No	Yes
Flash Point	No	100F
Combustion	No	Yes
Price per gal - $US	18	20

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APPROVALS

City of Los Angeles

September 9, 2001

Mr. Ross Sklar
Mr. Dan Rosenblat
The SEI Group
7456 West Sahara Ave.
Suite 101
Las Vegas, NV 89117

RE: OPP TECH GRAFITTI DEFENSE SYSTEM

Gentlemen,

I want to take this opportunity to thank the SEI Group for participating in the City's OPERATION CLEANSWEEP press conference on May 19, 2001. Your proofing demonstration was visual and dramatic, and from what I could see, the towelettes were especially well received.

I also want to take this opportunity to thank you for your contributions at the Alameda Corridor. During my tenure there, it was my privilege to watch as SEI delivered the formula necessary to keep what has been recognized as a by Congress as a *project of national significance* free from graffiti.

As the City of Los Angeles continues to address graffiti, we recognize that a variety of different products will be necessary if we are to continue to be effective. We thank you for adding your expertise and resources to our ongoing efforts and applaud your commitment to making Los Angeles a beautiful place to live and work.

Sincerely,

Mario Marin
Director
Los Angeles Opportunities for Procurement and Services
Mayor's Office of Economic Development

ATE OF CALIFORNIA—BUSINESS, TRANSPORTATION AND I OUSING AGENCY GRAY DAVIS, Gover

DEPARTMENT OF TRANSPORTATION
IVISION OF ENGINEERING SERVICES
ATERIALS ENGINEERING AND TESTING SERVICES
900 FOLSOM BOULEVARD
ACRAMENTO, CA 95819-4612
HONE (916) 227-7185
AX (916) 227-7075
TY (916) 653-4086

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May 15, 2003

Mr. Dan Rosenblat
SEI Chemical
19215 Parthenia Street, Unit B
Northridge, CA 91324

Dear Mr. Rosenblat:

The Headquarters Office of Health and Safety Services has reviewed the Material Safety Data Sheets and approved for use the following graffiti-related products:

The material submitted for the "SEI Chemical, LLC, Model: GPA-200-Cal (A & B – 2 Part Coating)", tracking number NPE 03-05-001, has been reviewed. The California Department of Transportation (Department) has identified a need for this type of product.

Sincerely,

Donald E. Fogle

DONALD E. FOGLE
New Products Coordinator
Office of Testing and Technology Services

c: LOrcutt – Maintenance
TPorter – Maintenance

RESEARCH REPORT:
SEI Chemical
RR 25142-T 19215 Parthenia Street (CSI 09960)
Northridge, California 91324

Expires: April 1, 2005 March 19, 2003

Attn: Craig Amen

GENERAL APPROVAL
Renewal/Clerical Modification - SEI Anti-Stick Graffiti Proofer clear and colored coatings as a non-sacrificial anti-graffiti coating.

DETAILS
SEI Anti-Stick Graffiti Proofer clear and colored versions are two component coatings. Both are classified as non-sacrificial coating that do have significant perm rates and may be applied to concrete block, masonry concrete, plaster, drywall, metal or wood, etc. The may be applied on painted and unpainted surfaces.

The Approval is subject to the following conditions:

1. Anti-Graffiti coating must have the capability of having all types of paints and graffiti materials completely removed without damaging the uncoated surfaces to which they are applied.
2. The anti-graffiti coating and products required to remove graffiti from the coating must be non-toxic and comply with all applic ble requirements of the South Coast Air Quality Management Distric
3. The coating must be weather and rain resistant, abrasive resistant, peel resistant, ultraviolet resistant, non-yellowing and allow moisture vapor transmission as tested in accordance with applicable ASTM Standards.
4. The removal of graffiti shall cause little or no change in the appearance of the treated surface.
5. Disposal of graffiti removal by-products must conform to all state and city waste disposal regulations.

October 23, 2002

SEI CHEMICAL PERMANENT GRAFFITI COATINGS

- TESTING -

This letter is to verify the testing procedures conducted in 2002 at the city of Los Angeles for the permanent coating by SEI Chemical.

TEST CRITERIA:

1) Vendor was responsible for applying the product on 5 different substrates;
   Stucco painted
   Concrete painted
   Concrete not painted
   Cinder block wall Painted
   Cinder block wall not painted.

2) After 48 to 72 hours graffiti was applied using High Heat Krylon Enamel, using several colors. Additionally permanent marker pens of different colors was applied.

3) Graffiti remained on top of coating for 21 days.

4) Vendor returned and removed graffiti using the SEI Chemical Graffiti Remover Wipes.

5) Test results were based on 100% removal of graffiti and no damage to the coating or original substrate with ghosting.

This test process were conducted by Field Maintenance and Health & Safety. The results were that SEI Chemicals anti-graffiti coating passed and results were communicated to the City of Los Angeles, Department of Building & Safety.

6. Manufacturer shall provide a copy of instructions for application of the coating, material specifications, and method and materials required to remove graffiti for each job site.

7. SEI Anti-Stick Graffiti Proofer is limited to uses on commercial buildings and industrial structures. SEI Anti-Stick Graffiti Proofer in colors may be used on commercial and residential buildings as well on appropriate industrial structures.

DISCUSSION

The clerical modification is to change the contact person.

This approval is subject to the satisfactory performance of these two coatings based on field tests covering the above conditions. The notarized statement from the manufacturer certifying that the product complies with Conditions No. 1 thru 5 of this approval is on file with the Research Division. This report is approved on a temporary basis until more specific requirements are established.

Addressee to whom this Research Report is issued is responsible for providing copies of it, complete with any attachments indicated, to architects, engineers and builders using items approved herein in design or construction which must be approved by Department of Building and Safety Engineers and Inspectors.

This general approval of an equivalent alternate to the Code is only valid where an engineer and/or inspector of this Department has determined that all conditions of this approval have been met in the project in which it is to be used.

YEUAN CHOU, Chief
Engineering Research Section

Tutor-Saliba
CORPORATION

CONTRACTORS/ENGINEERS

15901 Olden Street, Sylmar, CA 91342-1093 (818) 362-8391
FAX (818) 367-5379 Contractors License #426538

November 19, 2001

Mr. Ross Sklar
SEI Chemical
620 8th Avenue
Second Floor
Calgary, Alberta, Canada
T2P 1G4

Gentlemen:

As you are of course aware, we have utilized your product OPP TECH Graffiti Proofer and Curing Agent on the Alameda Corridor Contract. To clarify the shear size of the project, our contract with the Alameda Corridor public agency is in excess of $760 million dollars and the area of concrete both cured and graffiti protected by the aforementioned product exceeds 5 million square feet.

I would like to thank you both for your engineers effort in perfecting the anti-graffiti curing agent to our specific needs and your overall positive approach and contribution to the project in general.

The fact that a single product provides both curing and anti-graffiti protection is, we believe, a significant break through in the industry and certainly one in which we will continue to promote consistent with its success on our project.

Thanking you and looking forward to working with you again.

I remain ...

Very truly yours,

TUTOR SALIBA CORPORATION

Ronald N. Tutor
President

/tls

The Tutor-Saliba Team

Tutor-Saliba Corporation, C&G Industries, Inc.
Parsons Transportation Group
HNTB Design/Build Inc.

10700 South Alameda Street
Lynwood, CA 90262

(310) 763-7890
Fax (310) 763-7895

Contractors License #750479

CONTRACTORS/ENGINEERS

April 9, 2003

Mr. Ross Sklar
SEI Chemical, LLC
19215 Parthenia Street
Unit B
Northridge, CA 91324

Gentlemen:

I would like to take this opportunity to thank you for the outstanding performance of your SEI Graffiti Proofer & Curing Agent on the Alameda Corridor. With over 5 million square feet of concrete that was both cured and graffiti proofed by your product, I can only confirm a year after the opening of the project that the continuing performance is excellent and the product has done all that you committed it would.

The product was very attractive to our joint venture because of its ability to both cure and graffiti protect the structure in a one step process we were able to utilize. Both the labor to install and the material costs saving were significant and the products performance over the past three years has been excellent.

Again, I would like to take this opportunity to thank you for your support and the quality of the product you sold.

Very truly yours,

TUTOR-SALIBA TEAM

Ronald N. Tutor

National Capital Commission / Commission de la capitale nationale

August 27, 2001

SEI Chemical
2nd Floor, 620 8th Ave. SW
Calgary, Alberta
T2P 1G4

Dear SEI Chemical:

On behalf of the National Capital Commission we thank you for taking the time to meet with us on August 2, 2001.

We have never been exposed to a product that performed as well as your OPP TECH Graffiti Proofer. This product protected a concrete structure from graffiti and your graffiti removal demonstration on this area was greatly appreciated by the National Capital Commission and the City of Ottawa.

We are also very excited about your OPP TECH Graffiti Remover Towels. We tried them on everything from Hydro boxes to bus stations to benches to stop signs, they worked on everything 100%. As far as we are concerned, their main attribute is of course their performance, but the fact that one does not need to wear gloves because of their consumer and environmentally safe characteristics makes them very attractive for us.

We are finally happy to know of an environmental product line that can once and for all help us preserve our city from the ravages of graffiti.

Again, thank you for demonstrating your technology to us and we look forward to working with you in the future.

Sincerely,

Francis Dufresne

Francis Dufresne
Project Supervisor
National Capital Commission

G & C
Equipment
Corporation

Phone (310) 515-6715 Fax (310) 515-5046

March 27, 2002

Mr. Ross Sklar
SEI Chemical
620 8th Avenue, S.W.
2nd Floor
Calgary, Alberta
Canada T2P-IG4

Dear Ross:

The purpose of this letter is to let you know how excited we are at G&C about being a re-seller for SEI Chemical products. There is a tremendous potential for the products, especially the "proofer and remover."

Every Federal and State agency that we have presented the product to are very excited about the non-toxic, non-hazardous aspects of the product. I believe the potential for sales will be huge. The Los Angeles County Metropolitan Transit Authority (MTA) spends approximately $5 million a month on graffiti related items.

During the period from April 1-4 2002 the products will be demonstrated to the MTA, Los Angeles World Airports, Department of Water and Power, County of Los Angeles, Harbor Department, Sanitation and Public Works Department. I anticipate immediate sales after these demonstrations. Also the US State Department has sent us a letter stating that they believe the "proofer and remover" can be used on their overseas Embassies. Once we have provided them with additional information, I anticipate we will see some serious orders from them.

I plan to visit Washington D.C. in May 2002 to meet with the U.S. Department of General Services, Army Corp. of Engineers and the Navy. Preliminary indications are that there is a great interest in present and future products.

Again, as discussed on the phone, there is substantial growth potential here over the next few years. However, we must be in a position to meet the demand.

Regards,

Gene Hale
President

1875 W. Redondo Beach Boulevard, Suite 102 Gardena, CA 90247
P. O. Box 5419, Gardena, CA 90249

United States Department of State

Director of the Bureau
of Overseas Buildings Operations

Washington, D.C. 20520

March 15, 2002

G&C Equipment Corporation
1875 W. Redondo Beach Boulevard
Suite 102
Gardena, CA 90247

Dear Mr. Gene Hale:

RE: Product Data Information for "SEI Chemical Graffiti Poofer & Concrete Curing Agent" and other Products.

We are pleased to have had the opportunity to review the above reference product data that you submitted for consideration. Based on the information provided our staff findings are that these products may be appropriate in certain situations at our overseas facilities. Of particular interest is the "SEI Chemical Poofer and Remover", which can be applied on numerous materials and architectural finishes with little or no change to the material coloration. They also like the fact that they are non-toxic, and environmentally friendly.

We would appreciate, if available, additional information on the following: testing results by independent laboratory as a graffiti resistant coating, a list projects and references where your products have been used, and specifications. Please contact or forward this information to Miguel M. Aparicio, Project Architect, US Department of State, PO Box 12248, Rosslyn Station, Arlington, VA 22209. Office phone number 703 516-1802.

We hope to see you at the Industry Day.

Sincerely,

Charles E. Williams

MTS

MTS COMMUNICATIONS INC.
PO Box 6666, Rm C100P, 1300 Ellice Avenue
Winnipeg, Manitoba, Canada R3C 3V6

Tel: (204) 941-4611
Fax: (204) 941-5956
www.mts.mb.ca

September 21, 2001

SEI Chemical

Attn: Daniel Rosenblat

In the MTS Payphone department we have been performing a field trial using the Graffiti Towels. MTS Payphones experiences a large amount of graffiti at our Payphone locations, and we require a product that works effectively and relatively fast due to time constraints put on the collection staff with the other duties they must also perform at each location.

To date, the staff has been very happy with the product; it removes approximately 98% of the different types of graffiti we have on our payphones. The product is also environmentally friendly and non-toxic for the staff to use.

Sincerely,

Ms. Mary Nicholson
MTS Payphones
Co-ordination Manager

DHA

Delon Hampton & Associates, Chartered Engineers • Construction and Program Managers

Delon Hampton, Ph.D., P.E.
Elijah B. Rogers
Bonnie M. Bomber, P.E., DEE

Rhea P. Hollis, P.E.

October 4, 1999

Dear Sirs:

This letter will serve to document the successful use of Sklar Enterprises, Total Graffiti and Structure Defense System on the Los Angeles River Bridge Project.

I was the Resident Engineer on the Los Angeles River Bridge Project. The Los Angeles River Bridge was the first contract put out by the Alameda Corridor Transportation Authority (ACTA), and was subsequently a high-profile job with legislatures from Washington, D.C. and Sacramento making weekly job-site visits.

I contacted Ross in the Spring of 1998, requesting literature and samples about the company's product, if at all possible.

I was delighted to receive a phone call from Ross in the next couple of days requesting follow up information from me inquiring about our needs and our goals to completely protect the structure.

Ross visited the Los Angeles River Bridge job site and gave us a demonstration on his product that was very well received by myself and others. Immediately upon the closure of the demonstration, I instructed the contractor on the job to protect the structure with Sklar's Total Graffiti Protection.

November 16, 1998 was the ribbon cutting ceremony with distinguished guests such as the Mayors of the City of Los Angeles and Long Beach. The Sklar Total Protection Package was very well received, and to this day, has withstood the test of time for the structure.

As Resident Engineer for Delon Hampton & Associates, I am proud of the part I have played in this decisive win-win scenario, and I whole-heartedly endorse this system.

If I can be of any more assistance, please do not hesitate to call me on my cellular phone at (818) 262-4122.

Sincerely,

John A. Haag, III
Resident Engineer

DHA

Delon Hampton & Associates, Chartered — Engineers • Construction and Program Managers

Delon Hampton, Ph.D., P.E.
Elijah B. Rogers
Dennis M. Knowles, P.E., D.E.

Rhea P. Hicks, P.E.

To Whom It May Concern:

As the Senior Engineer for Delon Hampton & Associates and for the L s Angeles River Bridge Project, I would like to confirm that the following products per formed excellent and met or surpassed all of our requirements and recommendation . The contractor for this job was Kiewit Pacific Company and the Project Manage for Kiewit was Scott Kieper. The OPP TECH Graffiti Proofer & Curing Agent and per phery OPP

TECH Graffiti Removal products manufactured by SEI Chemical were used on the entire Bridge. We graffiti proofed and cured the entire structure with the O P TECH Graffiti Proofer & Curing Agent. The structured cured and was graffiti pro fed in one step. We were and still are very satisfied with OPP TECH Graffiti Defense roducts and we have expanded their usages. The structure to this day has no graffiti on compared to the newer structures in the area that are covered with graffiti. The OPP TEC I Graffiti Proofer has made our job of keeping this structure looking like new a simpl maintenance task. We look forward to using this Curing Agent Graffiti Proof material or many more major projects to come.

If you have any questions or concerns please feel free to contact Scott Kiepe or myself.

My telephone number is 323-826-1930.
Scott Kieper's telephone number is702 558 3785.

Thank you,

John A. Haag III
Senior Resident Engineer
Delon Hampton & Associates Chartered

January 3, 2000

ACTA
1 Civic Plaza
Suite 650
Carson, CA 90745

Attention: **TIM BURESH**

SERIAL LETTER NO. **MC01CS01-515-ACT0380**
REFERENCE: **Mid-Corridor Design-Built Project-MC01CS01**

SUBJECT: **Anti-Graffiti Coating**

Gentlemen:

Per Section 3.8.3.1 of the contract Technical Provisions concerning anti-graffiti coatings, we are required to obtain ACTA approval for the product that we intend on using.

To date, we have tested and submitted the Total Graffiti and Defense System by Sklar Enterprises to the TST engineering team. On 10/20/99 we received approval from Parsons/HNTB with the condition that the product be tested on a mock-up concrete panel. On 11/5/99, this test was successfully completed in the presence of TST Quality Control and ACET.

As we have met the conditions required by the contract, we request that ACTA respond in writing with its concurrence for the use of this product.

Sincerely,

Tutor-Saliba Team

L. McAfee

Lance McAfee
Project Manager
Tutor-Saliba Corporation
Management Sponsor

LM/MK/mk

Memoradum

To: PTG/HNTB
From: Avrum Loewenstein
Date: 29 November 1999
Subject: Anti Graffiti Mock-Up Test

Reference: GTP 09860-1.2A, and Submittal #0960-001-01, Anti Graffiti Coating and Curing Compound

In response to the documents referenced above, a mock-up test of the proposed Total Graffiti and Structure Defense System by Sklar Enterprises was conducted on 5 November 1999 by Sklar and TST representatives. The removal of the graffiti was witnessed by the representatives noted below and they attest that the test result was acceptable.

Name: Rick Ramirez
TST Lead Quality Control Inspection

Signature and Date:

Name: Chuck Freeland
ACET Field Engineer

Signature and Date: 11-29-99

ALAMEDA CORRIDOR TRANSPORTATION AUTHORITY
ONE CIVIC PLAZA, SUITE 650, CARSON, CALIFORNIA 90745 - TEL. (310) 233-7480 - FAX (310) 233-7483

April 28, 2000

The Tutor-Saliba Team
10700 S. Alameda St.
Lynwood, CA 90262

Attn: Mr. Lance McAfee - Project Manager

Re: **Mid-Corridor Design-Build Contract – MC01CS01**
TST Letter Nos.: ACT0486 and ACT0502, Dated April 6, 2000 and April 21, 2000, Respectively;
TST Transmittal No. TM-ACT1534, Dated November 18, 1999

Subject: **Anti-Graffiti Coating**

ACTA Letter No.: **10100.04.02.000 – 1386**

Gentlemen:

We have reviewed the submittals for the OPP-TECH Anti-Graffiti and Graffiti Removal products, together with the graffiti removal demonstration tests conducted from March 15 to March 23, 2000. Based on the information submitted and the demonstration results, ACTA accepts the use of the OPP-TECH products for the Mid-Corridor project in strict accordance with the manufacturer's recommendations.

Should you have any questions, please call Duane Konagy of ACET at (310) 816-0466, ext. 168.

Sincerely,

Arthur B. Goodwin

Tim Buresh, P.E.
Director of Construction and Engineering

DLK:os

cc: D. Boger, ACTA
D. Konagy, ACET
W. Hurtienne, ACET
A. Goodwin, ACTA
J. Doherty, ACET
M. Brettonstein, ACET
G. Courtney, ACET
J. Cohen, ACET

SMITH-EMERY COMPANY
The Full Service Independent Testing Laboratory, Established 1904

781 East Washington Boulevard • Los Angeles, California 90021 • (213) 749-3411 • Fax: (213) 746-7228
P.O. Box 880550, Hunter's Point Shipyard Bldg. 114 • San Francisco, California 94188 • (415) 330-3000 • Fax: (415) 330-3030
5427 East La Palma Avenue • Anaheim, California 92807 • (714) 693-1026 • Fax: (714) 693-1034

File No.: 35531
Lab No.: T-99-250

September 27, 2002

CLIENT: SEI CHEMICAL
19215 Parthenia St. Unit B
Northridge, CA
91324
Attn: Ross Sklar

Subject: **SEI Graffiti Proofer & Curing Agent (Coverage Rate : 200 ft.²/Gallon & NV = 20%)**
Type I, Class A
Specification: ASTM C 309-95 Liquid Membrane-Forming Compounds for Curing Concrete
Source: Submitted to Laboratory by Client

Report of Tests

WATER RETENTION TEST for CONCRETE CURING MATERIALS (ASTM C 309).

Coverage Rate used = 200 Ft.²/Gal. Non-Volatile Compound = 20.00%

	Sample #1	Sample #2	Sample #3
M1 (grams)	5,218.5	5,131.6	5,118.8
M2 (grams)	5,228.1	5,141.4	5,128.3
MA (grams)	9.60	9.80	9.50
M3 (grams)	5,196.8	5,110.2	5,096.8
ML (grams)	23.620	23.360	23.900
L, Kg./m²	**0.51**	**0.50**	**0.51**
L, lbs./ft.²	0.104	0.103	0.105

Requirements: ASTM C 309, Section 6 - The loss of water shall be restricted to not more than 0.55 kg/m² in 72 hours.

Respectfully Submitted,
SMITH-EMERY COMPANY

JAMES E. PARTRIDGE
President
Registered Civil Engineer No.: 25270
Registration Expires: 12/31/04

REGISTERED PROFESSIONAL ENGINEER · JAMES E. PARTRIDGE · 25270 · CIVIL · STATE OF CALIFORNIA

rc

GROUP

P.O. BOX 277, 75 COLE AVENUE, WINNIPEG, MB R3C 2H5

May 15, 2002

Mr. Dan Rosenblat
SEI Chemical
9005 West Sahara Blvd.
Las Vegas Nevada
89117

Dear Dan,

As you well know the Building Products Group has been using your SEI Industrial Vehicle & Equipment Protector® for over 18 months on our fleet of concrete mixers.

We have over 50 mixers trucks on the road on any given day and keeping them all clean is a difficult challenge. Road tar that accumulates daily as well as concrete build up on the mixer portions of our trucks makes cleaning very onerous.

In the past Building Products has had no other choice than to use acid to clean our trucks. We had numerous problems using this acid; worker safety is always a concern and heavy protective equipment was always a must. The acid was very damaging to all the rubber components on the mixers as well if the trucks had any paint chips the acid caused corrosion immediately. The SEI Industrial Vehicle & Equipment Protector has eliminated the use of acid in our entire operation.

We sent a survey out to all of our truck drivers this spring, with overwhelming enthusiasm the drivers acknowledged that they would like to continue using the SEI protector. They stated the product protected their trucks from tar and concrete build up. They also stated that cleaning on a day-to-day basis was much faster and easier when they used the product.

Thank you for recommending this product to our company we will continue to use it.

Sincerely,

Gary Kurz
General Manager

ABC Wiping Cloth

April 19, 2002

To Whom It May Concern:

We have recently started a business relationship with S.E.I. Chemical. In all my thirty plus years of sales experience, I have never seen a product generate such enthusiasm in a sales force.

The first product brought in was the "Graffiti Towels." This product is fantastic. It is unbelievable how fast it works on spray paint, permanent marker, and ink. When my salespeople demonstrate this product to potential customers, they are always astounded as to how well it performs. The product exceeds all expectations.

ABC Wiping Cloth is one of the largest wiping cloth companies on the West Coast. We have seveyty outside sales people. I feel that S.E.I. Chemical and its graffiti removal line of products will become an essential partner in our future growth. This product is opening doors that have been closed in the past to my salespeople.

Please feel free in contacting me at 1-800-735-7247 if you have any questions or if you would like a demonstration.

Sincerely,

Richard C. Callari
Vice president/General Manager

2131 Humboldt Street
Los Angeles, California, 90031

M E K E E L / V I N S O N

August 6, 2002

Dear Gentleman:

SEI Chemical retained Mekeel/Vinson in 2000 to oversee government relations for the Western United States. SCI has since developed essential relationships with California State and local elected officials, staff, agency directors and committee chairs. SEI products protect and enhance the aesthetic and safety of communities. Elected officials and agency directors have lauded the potential impact SEI products will have on American communities.

SEI was awarded the graffiti-proofing contract for the Los Angeles Alameda Corridor Project. The Alameda Corridor is the largest public works project in America in the last ten years. SEI Chemical has been working closely with the California Assembly Leader of State Kevin Shelly, Assembly Member Gilbert A. Cedillo, and State Senator Richard Alarcon in devising and legislating an anti-graffiti bill that will mandate the use of an anti-graffiti coating on all state owned and operated structures. Furthermore, SEI has been chosen as the sole supplier of anti-graffiti products for the City of San Fernando.

We look forward to working with SEI for years to come and utilizing their leading edge technology to keep our State graffiti free.

Sincerely,

Robert Vinson

8762 HOLLOWAY DRIVE • LOS ANGELES • CALIFORNIA 90069
PHONE: 310 358 0402 • FAX: 310 659 6001

CHEM - WASH INDUSTRIES LTD.

3812 - 16th Street SE
Calgary, Alberta
T2G 3R7
Phone: (403) 269-8839
Toll Free: 1-800-667-9013
Fax: (403) 237-0280
E-Mail: chemwash@ezpost.com

Wednesday, March 27, 2002

Gentlemen,

For the last two years we have been using SEI's VCI Corrosion Inhibitor in our Passivation baths after we pickle metal parts. This environmental product has performed extremely well for us and keeps our customers' equipment protected from corrosion for extended periods of time.

We look forward to continue working with SEI for years to come.

Sincerely,

Neil Beatty

Neil Beatty,
President

Quest Industrial Products Ltd

6 - 1259 Highfield Cres. S.E.
Calgary, Alberta, Canada
T2G 5M2

SEI Group
2nd Floor, 620 - 8 Ave SW
Calgary, AB
T2P 1G4
April 19, 2002

We provide the world's largest oil and gas service companies with your VCI Corrosion Proof Plastic Films. Your VCI films allow these organizations to deal with their costly problem of corrosion easily, environmentally safely and cost effectively.

At Quest Industrial we pride ourselves on our ability to provide the oil patch with high performing solutions and your VCI products allow us to do just that.

We look forward to a long and successful distribution relationship with SEI.

Thank you,

Bob Sander
President
Quest Industrial Products Ltd.

Phone: 403.287.7900 *Fax: 403.243.7983* *questindustrial@nucleus.com*