



SEI SEALER

Water-Base

SCS-002

Product Description:

The SCS-002 Water-Base Sealer is a proprietary emulsion that incorporates a nano-particulate that provides depth of penetration and leading edge bonding characteristics to inorganic and organic substrates. The nano-particulate penetrates the surface to establish a breathable water repelling barrier in the subsurface. This emulsion also incorporates a hybrid silane-siloxane compound that helps consolidate the surface to dustproof and harden concrete. The nano-particulate chemically bonds with inorganic and organic materials and forms a high-end protective and breathable barrier.

Technical Data:

Performance Standards

Dilute with water anywhere from 1-50% depending on application

Clean-up Water

Flash point N/A

Product type Water based

Designed for:

Adobe block

Basecoat for SEI Graffiti Proofer(s).

Brick—old or used common

CMU—heavy wt./dense

CMU—slump

Concrete—horizontal broom finish

Painted surfaces—porous

Stucco—rough

Wood

Organic building materials

Features:

Breathable

Easy application

Non-flammable

Low odor

Low VOC

Water clean-up

PROPERTY	TEST METHOD	RESULTS
Water Absorption	ASTM C 67 and ASTM C 642-90	4% max. after 24 hr./75°F (24°C)
Water Vapor Transmission Rate	ASTM E 96-95	11.82 Perms
Water Penetration and Leakage	ASTM C 1389-96 (Formerly E 514-90)	100% Reduction on brick
Water Vapor Transmission Rate	ASTM D 1653-93	4.97 grains/hr/ft ²
Water Resistance by Immersion	ASTM D 870-92	Pass
Household Chemicals (Water)	ASTM D 1308-87	Pass
Water Resistance Using Fog	ASTM D 1735-92	Pass
Water Resistance to 100% Relative Humidity	ASTM D 2247-94	Pass
Water Resistance to Condensation	ASTM D 4585-92	Pass

APPLICATION:

SCS-002C is best applied using airless spray equipment set at low pressure with tip size ranging from .017-.025 inch. Holding spray tip 12-18 inches (300-450mm) from the surface, start at the bottom and work up the wall with an overlapping horizontal spray pattern. Take special care to saturate mortar joints allowing the sealer to run down the wall 3-5 inches (75-125mm) from the point of contact. Do not stop or interrupt the application in the middle of a drop. When first applied, SEI's emulsified resins appear milky white. The micro emulsions then coalesce (fuse

together) drying clear and colorless. The milky appearance should last no longer than approximately 30 minutes. Strike off or roll out any obvious drips or puddles remaining after this period of time.

Surfaces Preparation:

All surfaces should be thoroughly cleaned and free from dust, dirt, efflorescence or other surface contaminants. Caulking and additional sealants should be in place whenever possible before applying SCS-002C. Air and substrate temperature must be 20°C (50°F) and rising. To insure proper coalescence and performance, air and substrate temperatures of 20°C (50°F) must be maintained for at least two (2) hours after SCS-002C application. If acid cleaners have been used, the substrate must be thoroughly rinsed per Masonry Institute recommendations.

Product Specifications

PROPERTY	TEST METHOD	RESULTS
pH	ASTM E 70-68	8.5-9.5
Spc. Grav., g/ml	ASTM D 1429	1.01
Flash Point	ASTM D 93	N/A
Viscosity, cp	ASTM E 2196	<100
% Solids/Weight	ASTM D 1353	10.0 min.
Pounds/Gallon	ASTM D 1475	8.4
UV Resistance	QUV 1000 hours	Excellent
Breathable	ASTM D 1653-72	Yes
Paintable	ASTM D 3359-90	Yes
VOC's g/L	EPA Method 24	119

Coverage Rate: (Approximate sq. ft./gal.) @ 20-30% solids:

Adobe block	45-85	Brick—old or used common	65-125
CMU—heavy wt./dense	55-85	CMU—slump	95-175
Concrete—horizontal broom finish	95-175	Painted surfaces—porous	65-175
Stucco—rough	75-125	Wood—rough	75-125
Wood—smooth	65-175		

**The above are for estimating purposes only. Job conditions dictate required application rate and number of coats. If additional coats are required, application square footage could increase by 50% depending upon substrate. A test application is required to determine the proper rates.

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. Product must be checked and reapplied as needed in the specific area that has undergone an extreme pressure washing (over 2500 psi), sandblasting or soda blasting. Equipment and methods used in application of product must be in accordance with manufacturer's instructions and specifications.

DISCLAIMER
The information provided is to be used as a guide and users should perform their own tests to ensure performance in their application. All data, statements, and recommendations made herein are based upon information we believe to be reliable, but are made without any representation, guarantee or warranty of accuracy. All statements, technical information and recommendations contained herein are based on tests SEI Chemical believes to be reliable, but the accuracy or completeness thereof is not guaranteed. SEI Chemical warrants SEI products will be free from defects when shipped to customer. SEI Chemical's obligation under this warranty shall be limited to replacement of product that proves to be defective. To obtain replacement product under this warranty, the customer must notify SEI Chemical of the claimed defect within six months after shipment of product to customer. All freight charges for replacement products shall be paid by customer. SEI Chemical shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products. Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith. No representation or recommendation not contained herein shall have any force or effect unless in a written document signed by an officer of SEI Chemical. The foregoing warranty is exclusive and in lieu of all other warranties, express, implied or statutory, including without limitation any implied warranty of merchantability or of fitness for a particular purpose in no case shall SEI Chemical be liable for incidental or consequential damages. Limited warranty, for industrial use only. Keep out of reach of children. Keep containers tightly closed, not for internal consumption, consult material. Consult Material Safety Data Sheet for more information.