KlereSeal® 9100-S

VOC Compliant Silane Penetrating Clear Sealer

PECORA CORPORATION

SPECIFICATION DATA SHEET

BASIC USES

- KlereSeal® 9100-S can be used to protect parking decks, garages, ramps, roads, bridges, airport runways, stadiums, buildings, major concrete structures such as dams, bulkheads, etc., house foundations, pools and decks, precast and prestressed concrete products, brick and stone veneer.

MANUFACTURER

Pecora Corporation
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PRODUCT DESCRIPTION

Pecora KlereSeal® 9100-S is a 100% silane penetrating clear sealer for concrete and masonry surfaces. Because it is 100% active with no solvent carrier, the sealer is fully VOC compliant.

KlereSeal® 9100-S weatherproofs surfaces without altering the natural appearance and texture by forming a hydrophobic barrier preventing the intrusion of water and water-borne salts into the structure. This greatly reduces the damaging effects of moisture penetration in masonry and concrete such as corrosion of reinforcing bars, salt leaching and freeze-thaw cracking.

KlereSeal® 9100-S penetrates deeply into concrete surfaces and forms a chemical bond with the minerals in the concrete. Because of its small molecular size, it is able to penetrate up to ¼" even into high strength concrete. The invisible barrier formed below the surface is permeable to water vapor which allows the structure to breathe. This prevents structure damage that could result because of trapped water. The excellent penetration properties of KlereSeal® 9100-S leave little exposure to wear when subjected to wheel traffic.

Limitations: KlereSeal® 9100-S silanes are designed to react with acidic or alkaline siliceous substrates. The active ingredients in the sealers may not chemically react with neutral pH substrates. Thus, they may not provide water repellency to limestone, marble and some types of brick and stone. KlereSeal® 9100-S is not expected to prevent water intrusion of visible cracks up to 10 mils or larger and is not designed for use on surfaces experiencing hydrostatic pressure.

The reaction product of KlereSeal® 9100-S with masonry is ethyl alcohol rather than methanol, thus making it less hazardous than other silane sealers.

TECHNICAL DATA

Consult Typical Physical Properties Chart.

INSTALLATION

Preparatory Work: Surfaces to receive KlereSeal® 9100-S should be clean, and grease and oil free. All standing water should be removed. KlereSeal® 9100-S should be applied to dry surfaces to facilitate maximum penetration for optimum performance. KlereSeal® 9100-S should not be applied at temperatures below 32˚F, or when the temperature is expected to fall below 32˚F, within 12 hours of application. A test application is necessary on each surface and/ or masonry material to be treated to ensure compatibility and desired result. Test areas are also useful in determining final application rate and procedure. Tests should be applied using the same equipment as for the job application and employ all surface preparation procedures. If possible, install all caulking, patching and joint sealants prior to application of KlereSeal® 9100-S. If impractical grind joints to properly prepare for caulking, etc., and test for adhesion.

Overspray: Do not spray on windy days. Overspray of window plate glass can be removed by using soap and water immediately after application. For specialty glass or other non-cementitious materials it is best to run preliminary testing before over spraying a large area. Protect plant life.

Application: The recommended application equipment is a low pressure, airless-type sprayer. Apply KlereSeal® 9100-S until the solution runs or stands. When applying to vertical surfaces, KlereSeal® 9100-S should be sprayed in a single saturating application with sufficient material applied to thoroughly wet the surface and create a slight rundown below the spray pattern. Apply uniformly and avoid over application. Heavy runs and drips should be thoroughly brushed into the surface. On extremely porous surfaces, two (2) applications of KlereSeal® 9100-S will provide superior protection. Apply the second coat immediately after the first coat has penetrated. Control application so that the second coat is applied within a few minutes after the first coat appears dry. Proper quantity on horizontal surfaces is indicated when the solution stands for a few seconds before completely penetrating.

PACKAGING

- 5-gallon pail
- 50-gallon (189.3 L) drums

COLOR

- Transparent

TYPICAL PHYSICAL PROPERTIES

Test Property	Value	Test Procedure
Active Ingredients (%)	100	Pecora Corporation
Weight/Gallon (lbs./gal.)	7.3	Pecora Corporation
Flash Point (°F)	149 T.C.C.	ASTM D-56
Color	Clear Liquid	Pecora Corporation
VOC Content: (g/L)	329	ASTM D3960

Since Pecora Architectural Sealants are applied to varied substrates under diverse environmental conditions and construction situations it is recommended that substrate testing be conducted prior to application.

For the most up to date information, please visit our website at pecora.com.

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SPECIFICATION DATA SHEET

ESTIMATED COVERAGE RATES	
Surface	**Coverage (sq. ft./gal.)**
Exposed Aggregate	250-375
Stucco	250-375
Porous Concrete	250-375
Smooth Concrete (precast)	300-425
Smooth Concrete (steel trowel finish)	375-500
Exterior Brick	250-375
Concrete Brick	175-300
Concrete Block	125-250
Rough Stone (sandstone)	250-375
Smooth Stone (polished granite)	375-500
Bridge Decks and other surfaces subject to abrasion	250-375

Because the porosity of similar substrates varies greatly, Pecora is not responsible for any shortfalls or excess consumption based on the above estimates. For precise rates of consumption, a pre-application field test should be performed.

Thoroughly wash all equipment and clothing after use. Application equipment may be cleaned with solvent or water.

Precautions: Do not store or use KlereSeal® 9100-S near heat, sparks or open flame. Do not smoke in the vicinity where Klere Seal® 9100-S is being applied. Use in well ventilated areas or with an air-supplied respirator. Always wear protective goggles and gloves. If inhaled, move immediately to fresh air. If breathing falters or stops, give artificial respiration, preferably mouth-to-mouth and call a physician. In case of skin or eye contact, flush immediately with warm water for 15 minutes. Remove contaminating clothing and shoes. Refer to Safety Data Sheet (SDS) for more information.

FOR PROFESSIONAL USE ONLY. KEEP OUT OF THE REACH OF CHILDREN.

AVAILABILITY AND COST

Pecora products are available from our plants and warehouses, or from stocking distributors in all major cities. For the name and telephone number of your nearest representative call: 800-523-6688 or visit our website at www.pecora.com

WARRANTY

Pecora Corporation warrants its products to be free of defects. Under this warranty, we will provide, at no charge, replacement materials for, or refund the purchase price of, any product proven to be defective when installed in accordance with our published recommendations and in application considered by us as suitable for this product. This warranty is in lieu of any and all other warranties, expressed or implied, and in no case will Pecora be liable for incidental or consequential damages.

MAINTENANCE

None required. Surfaces may be retreated at the end of service life.

TECHNICAL SERVICES

Pecora representatives are available to assist you in selecting an appropriate product and to provide on-site application instructions or to conduct jobsite inspections. For further assistance call our Technical Service Department at 800-523-6688 or 215-723-6051.

FILING SYSTEMS

http://www.4specs.com:

- 07 10 00 Waterproofing
- 07 92 00 Sealants