

# KlereSeal® 910-W 920-W

Water-Based Penetrating Masonry Sealer

## Specification Data Sheet



### BASIC USES

• KlereSeal® can be used to protect all masonry surfaces including highly alkaline mortars and cement rich materials in the presence of atmospheric moisture; i.e. all types of concrete, inorganic mortar and plaster, as well as most neutral surfaces such as natural and synthetic stone, clay tile, brick, and block (see Limitations).

### 2. MANUFACTURER

Pecora Corporation  
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### 3. PRODUCT DESCRIPTION

KlereSeal® 910-W/920-W masonry clear sealer is a solvent-free silane/siloxane concentrate. When mixed with water, KlereSeal® 910-W/920-W self-emulsifies to form a unique silicone microemulsion. It penetrates deep into new or existing concrete and masonry surfaces to form an extremely durable water repellent.

The resulting hydrophobic barrier prevents the intrusion of water and water-borne salts into the structure, thereby greatly reducing the damaging effects of moisture penetration into masonry and concrete such as corrosion of reinforcing bars, salt leaching and freeze-thaw cracking. KlereSeal® 910-W/920-W also protects against staining and resists acids, alkalis and the effects of acid rain and carbon crusting.

The invisible barrier formed below the surface is permeable to water vapor. This allows the structure to breathe and prevents structural damage that could occur from trapped water.

**Advantages:** KlereSeal® 910-W/920-W (diluted) does not contain highly volatile organic carrier solvents. Hazards associated with explosion, fire, eye and skin irritation and solvent inhalation are greatly reduced. KlereSeal® 910-W/920-W is also VOC compliant.

**Limitations:** KlereSeal® 910-W/920-W is not suitable for applications to gypsum plaster or oil-based paint surfaces. It may not be suitable for some types of natural stone, e.g. pure limestone materials. Always test.

KlereSeal® 910-W/920-W will not compensate for structural or material defects. A slight darkening effect may be noticed on some surfaces depending on texture and porosity. This product is not designed for use on surfaces experiencing hydrostatic pressure.

### PACKAGING

• 5-gallon (18.9 L) pails

### COLOR

• Amber

### 4. TECHNICAL DATA

Consult Typical Physical Properties Chart.

### 5. INSTALLATION

**Surface Preparation:** Clean dirt, oil, and grease or other contaminants from the surface. Use appropriate cleaners (no raw acids) where necessary. Power rinse. Do not apply to surfaces that are wet to the touch. KlereSeal® 910-W/920-W can be applied to damp surfaces, however, best results are obtained on dry surfaces. Be sure that all caulks or sealants are in place and fully cured.

#### TYPICAL PHYSICAL PROPERTIES ESTIMATED COVERAGE RATES

Surface	Sq. Ft./Gallon
Concrete Block	60-80
Concrete Brick	80-120
Exposed Aggregate	100-150
Exterior Brick	100-150
Natural Stone - Rough (e.g. sandstone)	100-150
Natural Stone - Smooth (e.g. granite)	150-200
Porous Concrete	100-150
Smooth Concrete (precast)	125-175
Smooth Concrete (steel trowel finish)	150-200
Stucco	100-150

#### CONCENTRATE

Test Property	Value	Test Procedure
Appearance	Yellow/Orange liquid	Pecora Corporation
Flash Point ° F (° C)	77 (25)	ASTM D-56
Refractive Index	1.42	ASTM D-1747
Specific Gravity	1.02	ASTM D-2320
VOC Content (g/L)	<325	ASTM D3960

#### DILUTED

Test Property	Value 910-W	Value 920-W	Test Procedure
Ratio: Qts Concentrate/Qts Water	2/18	3/13	Pecora Corporation
Depth of penetration average (inches)	-	0.1	NCHRP-244
H <sub>2</sub> O Uptake (%)	0.3	0.15	Fed. Spec. SSW-110C
Reduction in leakage rate (%)	86	93	ASTM E514
Reduction in water weight gain (%)	88.14	96	
Reduction in chloride ion intrusion (%)	-	80	NCHRP-244
Scaling resistance (50 cycles)	0	0	ASTM C672
VOC Content (g/L)	<100	<100	ASTM D3960
Water vapor transmission (%)	-	83	ASTM D-1653

**Application:** KlereSeal® 910-W/920-W should not be applied at temperatures below 32° F (0° C), or when the temperature is expected to fall below 32° F (0° C) for 72 hours.

Add appropriate volume of water to premeasured volume of KlereSeal® 910-W/920-W. (See Typical Properties Chart for appropriate mix ratios). Mix until thoroughly blended in a container that will not rust. No induction time is necessary. KlereSeal® 910-W/920-W should be applied within 48 hours after mixing or there will be no reaction. Apply with low pressure spray equipment (fan type spray tips are recommended) or with a brush or roller.

On vertical surfaces, apply in two successive wet-on-wet applications. On very dense architectural concrete and similar surfaces, it may be necessary to apply only one saturating application to avoid darkening. Working from the bottom up, apply uniformly sufficient material to produce a six to eight inch run down from the contact point. Allow the first application to penetrate (about five (5) minutes) and reapply in the same saturating manner. Less material will be required on the second application. When using a brush or roller, apply sufficient material to thoroughly saturate the surface. Brush out heavy runs or drips.

On horizontal surfaces, apply in a single saturating application so the surface remains wet for a few minutes before penetrating. Broom out surface residues, pools and puddles until they completely penetrate.

**Estimated Coverage Rates:** Surface porosity and texture determine the amount of material necessary. For an estimating guide, see Typical Physical Properties Chart. Because the porosity of similar substrates varies greatly, Pecora is not responsible for any shortfalls or excess consumption based on these estimates. For precise rates of consumption, a pre-applied field test should be performed.

**Overspray:** Do not spray on windy days. Protect adjoining glass, metal, painted surfaces and all other non-masonry surfaces, including plant life, from overspray, wind drift and splashes. Remove inadvertent splashes using mineral spirits or diluted soap solution before the material has dried. KlereSeal® 910-W/920-W bonds to glass and aluminum and may be difficult, if not impossible, to remove.

**Clean Up:** Thoroughly clean all equipment and clothing after use with either mineral spirits or water.

**Shelf Life:** Approximately one (1) year from the date of manufacture when stored in the original unopened containers at temperatures lower than 90° F (32° C).

**Precautions:** KlereSeal® 910-W/920-W as packaged is flammable. When diluted with water, it is no longer flammable. Do not store near heat, sparks or open flame. Do not smoke in the vicinity where KlereSeal® 910-W/920-W is being mixed. Use in well ventilated areas. A hydrolysis by-product of KlereSeal® 910-W/920-W is methyl alcohol (methanol). Methyl alcohol is flammable and toxic. Where adequate ventilation is not available, use NIOSH approved organic vapor respirators with dust, mist and fume filter to reduce exposure. If inhaled, remove to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention. Consult Material Safety Data Sheet for additional information.

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

## 6. AVAILABILITY AND COST

Pecora products are available from stocking distributors nationwide. For the name and telephone number of your nearest representative, call the number below or visit our website at [www.pecora.com](http://www.pecora.com).

## 7. 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 used in strict accordance with our published recommendations and in applications considered by us as suitable for this product. The determination of eligibility for this warranty, or the choice of remedy available under this warranty, shall be made in our sole discretion and any decisions made by Pecora Corporation shall be final. This warranty is in lieu of any and all other warranties, expressed or implied, including but not limited to a warranty of merchantability or fitness for a particular purpose and in no case will Pecora be liable for damages other than those expressly stated in this warranty, including but not limited to incidental or consequential damages.

## 8. MAINTENANCE

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

## 9. 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.

## 10. FILING SYSTEMS

- Sweet's Catalog File: [www.sweets.com](http://www.sweets.com)
- General Building
  - 07100 Waterproofing
  - 07920 Sealants
- Civil Engineering
  - 07100 Waterproofing



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