

# CLEAR PENETRATING SEALER



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## CLEAR PENETRATING SEALER

The one and only sealer you need for standard substrates.

CLEAR PENETRATING SEALER is a concentrated, water dilutable, VOC compliant, breathable, water repellent protectant. It is a water soluble, reactive nanotechnology similar to the lotus leaf, nature's only self-cleaning organism. When rain falls on lotus leaves, nanoscale, hair-like structures cause water to bead up, roll off and collect dirt, creating what scientists call the "lotus effect."

That same technology has been incorporated into CLEAR PENETRATING SEALER creating the only masonry sealer that will not harm metal, plastic, glass and other common vegetation. This unique formulation has many features and benefits that will save you time, money and hassle.



Damp surface application



Will not harm glass



Plant-Friendly









Concentrated

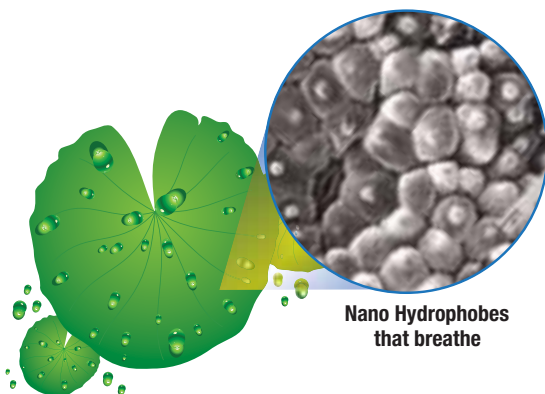


One sealer works on most substrates

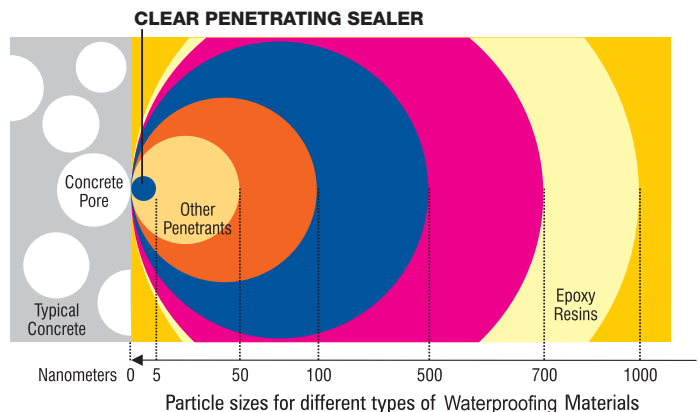


Features		Benefits
<b>MU</b>	<b>Multi-use</b>	<ul style="list-style-type: none"> <li>• Exclusive “no tarp, no tape” formula uses nanoparticles to create the only masonry sealer suitable for most standard substrates.</li> </ul>
	<b>Water-based</b>	<ul style="list-style-type: none"> <li>• Will not harm metal, plastic, glass, plants or other common vegetation.</li> </ul>
	<b>Cost savings</b>	<ul style="list-style-type: none"> <li>• Minimum to no protection required from overspray on to windows, metal, aluminum and common vegetation.</li> <li>• 20% increase in coverage rates over leading competitors.</li> </ul>
	<b>Concentrate</b>	<ul style="list-style-type: none"> <li>• Saves transportation and shipping costs for both the distributor and contractor.</li> <li>• Saves jobsite waste.</li> <li>• Sold in convenient, 1 liter and 20 liter concentrates. Simply pour, mix and apply.</li> </ul>
<b>CPS</b>	<b>CLEAR PENETRATING SEALER</b>	<ul style="list-style-type: none"> <li>• Can be applied to damp surfaces.</li> <li>• Helps reduce efflorescence, atmospheric staining, and mildew.</li> <li>• Can be painted, is UV stable.</li> </ul>
	<b>Breathable</b>	<ul style="list-style-type: none"> <li>• Allows interior moisture to escape without damaging sealer.</li> </ul>
	<b>Transparent, non-staining</b>	<ul style="list-style-type: none"> <li>• Does not alter the natural surface appearance.</li> </ul>
	<b>VOC compliant</b>	<ul style="list-style-type: none"> <li>• &lt;350 g/L.</li> <li>• Can be used in and around occupied spaces due to very low odor.</li> <li>• Environmentally friendly.</li> </ul>

## Methods of Action



## Penetration of CLEAR PENETRATING SEALER

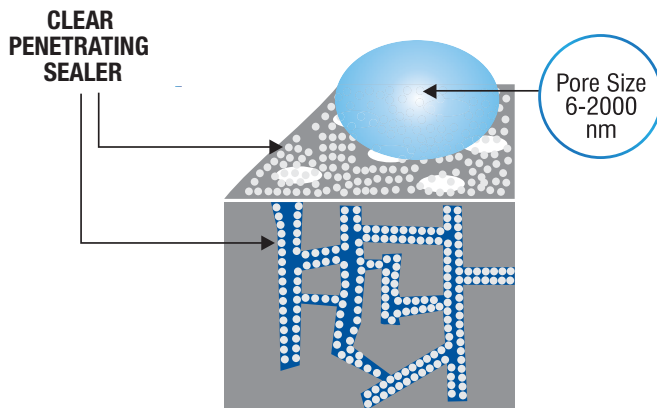


# Application

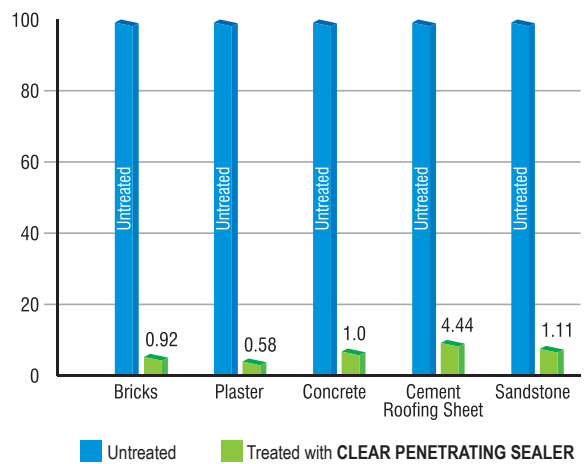


## Methods of Action

Converts Molecules to Droplet



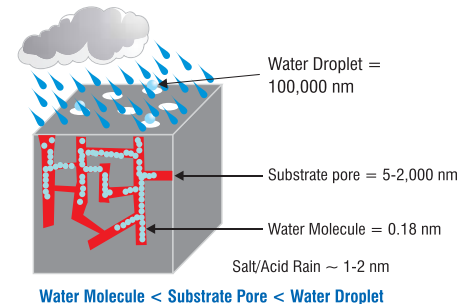
Relative Water Absorption Rate



## Building Material Deterioration

In a six-hour, 20 mph, wind-driven rainstorm, cement structures absorb water at a rate of 1 quart per square foot. Concrete blocks can absorb 2 quarts per square foot. Rainwater enters structures and causes both aesthetic and structural damage due to:

- Alkali Silica Reaction (ASR)
- Carbonation
- Freeze-Thaw
- Reinforced steel bars
- Cracking caused by ductility loss and volume expansion



Conventional waterproofing materials & repellents give short term protection by forming a surface film which is vulnerable to UV radiation, heat and abrasion. CLEAR PENETRATING SEALER provides a long-term solution— 10 years – because it penetrates deeply and reacts chemically with the substrate to form a water-repellant surface. In addition, CLEAR PENETRATING SEALER is a breathable waterproofing technology that prevents water seepage, but allows water evaporation.

CLEAR PENETRATING SEALER waterproofs many types of masonry or concrete substrate and is UV stable.

## Technical Specifications

PARTICULARS	CLEAR PENETRATING SEALER
Appearance	Pale Yellow liquid
Viscosity at 77°F	20-100 cps
Specific gravity	0.91 ± 0.02
Flash Point	Flammable 53°F

## Packaging

1 and 20 liter concentrates

## Storage

Store under shaded area away from direct sunlight between 40°F to 110°F. Keep away from heat, ignition/sparks and from rain/standing water. Prevent the product from freezing.

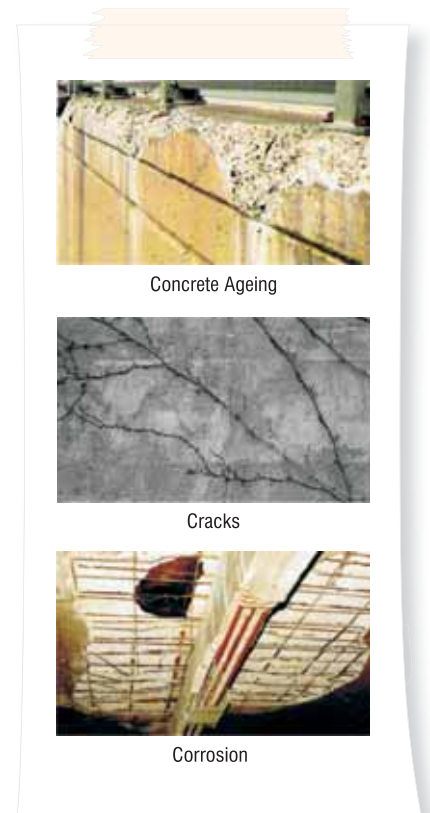
Keep the container of CLEAR PENETRATING SEALER tightly closed after every withdrawal (product can start reacting with moisture in the ambient air) when not in use.

## Shelf Life

24 months when stored as recommended

### DISCLAIMER:

Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendation made by us, our representatives or distributors, as the conditions of use and the competence of labor involved in the application are beyond our control.



## Coverage Rates

Substrate	Coverage Rates
Limestone*, Sandstone, Porous Marble	125 sq. ft. per mixed gallon
Porous Vertical Brick, Concrete Pavers, Stucco	150 sq. ft. per mixed gallon
Slate	175 sq. ft. per mixed gallon
Manufactured Concrete Stone, Hard Fired Brick, Vertical Poured Concrete, Pre-cast Stone	200 sq. ft. per mixed gallon

## Performance Testing

*Laboratory testing shows Clear Penetrating Sealer is a highly effective general-purpose water repellent.*

Test	Substrate	Result
ASTM C67 (water repellency)	Brick	Pass
ASTM D6532 (water repellency)	Concrete	Pass
ASTM E514 (water penetration and leakage through masonry compared to untreated control)	Brick Wall Construction	Pass
ASTM D6490 (E-96; vapor permeability) Pre-cast Stone	Concrete	Pass

This is a reactive penetrating sealer per SCAQMD, BAAQMD guidelines.

\*Limestone contains varying amounts of silica and Clear Penetrating Sealer may not work on every type. Please test in advance before applying.

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