

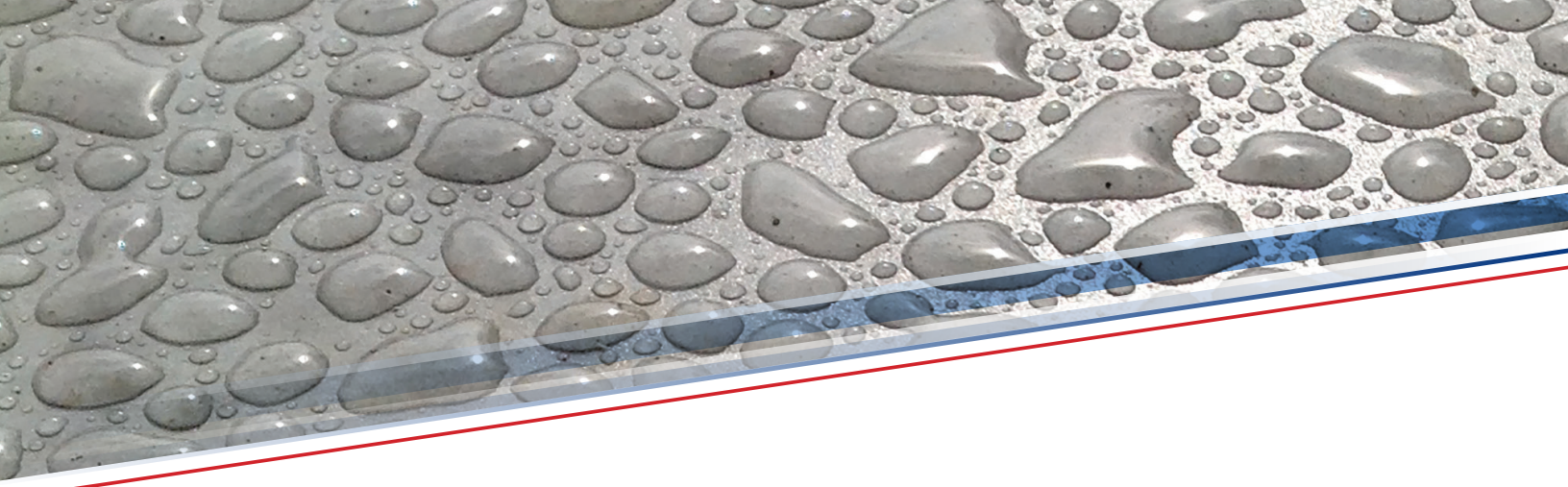


# Reactive Penetrating Water Repellents



Quality • Innovation • Service





## REACTIVE PENETRATING WATER REPELLENTS FROM CHEMMASTERS

**Unlike traditional sealers that leave a film on the top of concrete, chemically reactive penetrating silane:**

- Soaks deeply into concrete
- Undergoes a chemical reaction, creating a long lasting and effective barrier that prevents the absorption of water and deicing chemicals that damage concrete from the inside

**Water becomes destructive as it freezes and expands, causing:**

- Tensile stress within concrete
- Spalling and scaling of the concrete surface. Over time, water and deicing chemicals will:
- Corrode the rebar and structural steel inside concrete
- Cause steel to expand, creating additional tensile stresses
- Result in further damage to concrete, including cracks, potholes, and surface delamination

**Chemically reactive penetrating water repellents react within the pores and capillaries in concrete to provide maximum long-term protection from the damaging effects of water and deicing chemicals.**

**Some of the unique advantages reactive penetrating water repellent chemistries offer are:**

- Deep penetration within the concrete substrate where they are not susceptible to abrasion damage common to surface coatings.
- Longer lasting protection.
- Superior water and chloride repellency to protect against damage caused by repeated freeze/thaw cycles and deicing chemicals.
- Enhanced corrosion protection of underlying rebar and structural steel.
- When properly applied, penetrating treatments do not produce a surface build up, darkening or other effects on the color or texture of the concrete surface leaving a natural appearance.

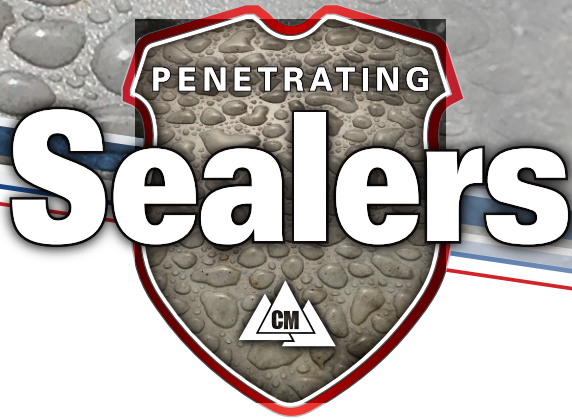
**ChemMasters offers the broadest range of reactive penetrating water repellents to meet the performance requirements of a wide variety of applications. Choose from versions that are:**

- Water-based and safe to use indoors and have minimal impact on landscaping.
- Solvent-based for deeper penetration and enhanced recoat capabilities.
- Oil, water and stain repellent.
- Suitable for residential, commercial and DOT applications.



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*Select from the following ChemMasters penetrating water repellent products, or call our Technical Service Department at 1-800-486-7866 to discuss your application.*



## REACTIVE PENETRATING WATER-REPELLENT SEALERS

### | Water-Based Silanes & Siloxanes

#### **PowerSeal® 40**

40% solids, penetrating, water-repellent, chemically reactive water-based silane sealer for DOT and commercial concrete. Low-VOC (<100 g/L). *Specifications: NCHRP 244, Series II & Series IV; ASTM C672*

#### **PowerSeal® 20**

20% solids, penetrating, water-repellent, chemically reactive water-based silane sealer for commercial & residential concrete. Low-VOC (<100 g/L).

#### **PowerSeal® SS Plus**

8% solids, penetrating, water-repellent, chemically reactive water-based silane modified siloxane sealer for commercial & residential concrete and masonry. Low-VOC (<100 g/L).

### | Low-VOC Solvent-Based Silanes

#### **Certi-Vex® Penseal 244 0/W AIM**

40% solids, low-VOC (<250 g/L), penetrating, water, oil and stain repellent, chemically reactive silane sealer for commercial and residential concrete. *Specifications: NCHRP 244, Series II & Series IV; ASTM C672*

#### **Aquanil™ Plus 100**

100% solids, low-VOC (<250 g/L), penetrating, water-repellent, fast drying, chemically reactive silane sealer for DOT, commercial and residential concrete. *Specifications: NCHRP 244, Series II & Series IV; ASTM C672*

#### **Certi-Vex® Penseal 244 100%**

100% solids, low-VOC (<250 g/L), penetrating, water-repellent, chemically reactive silane sealer for DOT, commercial and residential concrete. *Specifications: NCHRP 244, Series II & Series IV; ASTM C672*

#### **Aquanil™ Plus 40-A**

40% solids, low-VOC (<250 g/L), penetrating, water-repellent, fast drying, chemically reactive silane sealer for DOT, commercial and residential concrete. *Specifications: NCHRP 244, Series II & Series IV; ASTM C672*

#### **Certi-Vex® Penseal 244 40% AIM**

40% solids, low-VOC (<250 g/L), penetrating, water-repellent, chemically reactive silane sealer for DOT, commercial and residential concrete. *Specifications: NCHRP 244, Series II & Series IV; ASTM C672*

### | Solvent-Based Silanes

#### **Aquanil™ Plus 100**

100% solids, penetrating, water-repellent, fast drying, chemically reactive silane sealer for DOT, commercial and residential concrete. *Specifications: NCHRP 244, Series II & Series IV; ASTM C672*

#### **Certi-Vex® Penseal 244 100%**

100% solids, low-VOC (<250 g/L), penetrating, water-repellent, chemically reactive silane sealer for DOT, commercial and residential concrete. *Specifications: NCHRP 244, Series II & Series IV; ASTM C672*

#### **Aquanil™ Plus 40**

40% solids, penetrating, water-repellent, fast drying, chemically reactive silane sealer for DOT, commercial and residential concrete. *Specifications: NCHRP 244, Series II & Series IV; ASTM C672*

### | Boiled Linseed Oil

#### **Anti-Spall 55**

55% solids, boiled linseed oil anti-spalling compound for DOT and commercial concrete. *Specifications: ASTM D235; ASTM D260; AASHTO M126 & M128; Fed. Spec. TTL 190C & TTT 291C*

# REACTIVE PENETRATING WATER REPELLENTS FOR CONCRETE & MASONRY

Product Name	Oil & Stain Resistant	NCHRP 244	VOC Level	% Solids	Faster Drying	Concrete	Concrete & Masonry
<b>Solvent-Based</b>							
Certi-Vex® Penseal 244 O/W AIM*	•	•	<250 g/L	40%		•	
Aquani™ Plus 100*		•	<250 g/L	100%	•	•	
Certi-Vex® Penseal 244 100%*		•	<250 g/L	100%		•	
Aquani™ Plus 40-A*		•	<250 g/L	40%	•	•	
Certi-Vex® Penseal 244 40% AIM*		•	<250 g/L	40%		•	
Aquani™ Plus 40		•	<600 g/L	40%	•	•	
<b>Water-Based</b>							
PowerSeal® 40		•	<100 g/L	40%		•	
PowerSeal® 20			<100 g/L	20%		•	
PowerSeal® SS Plus**			<100 g/L	8%			•

\*Low VOC \*\*Silane Siloxane

Our Knowledge is  
**Concrete & Specialty  
Coatings<sup>SM</sup>**



*We manufacture a complete line of specialty products to improve, repair, protect and beautify concrete and masonry. Contractors rely on our experience, knowledge & quality to help ensure success.*



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