

# Professional® Water Sealant

*PWS-5 Regular, PWS-8 Extra, PWS-15 Super*

## PRODUCT DESCRIPTION & USE

**Professional® Water Sealant** is a clear, penetrating, breathable water repellent formulated using durable Room Temperature Vulcanizing Silicone Rubber. For use on above-grade concrete, brick, block, precast, pavers, manufactured stone, natural stone, stucco, wood and other porous building materials which allow penetration of the water repellent.

### Three strengths to compensate for varying porosities of building materials

- PWS-5 Regular: 5% solids
- PWS-8 Extra: 8% solids
- PWS-15 Super: 15% solids
- Effectively seals most porous substrates with one coat providing that the appropriate strength is applied – extremely porous, lightweight CMU may require additional coats.

## Advantages

- Easy to apply with low-pressure spray
- Bridges hair-line cracks
- Breathable – allows moisture vapor to escape while preventing water penetration
- Protects against:
  - Efflorescence
  - Mold & mildew
  - Calcium carbonate stains
  - Freeze-thaw damage
  - Hard water stains
  - Rust stains
- Penetrating
- Durable & long lasting – not affected by ultra violet rays, airborne pollutants, salt spray or acid rain
- Dries to a clear matte finish – may slightly enhance or darken some substrates
- Withstands wind-driven rain
- Complies with all known national, state and district AIM VOC regulations

## Cautions

### Not suitable for:

- Extremely dense or non porous surfaces
- Painted surfaces
- Below-grade use
- Asphalt or polystyrene – which may be affected by solvent

## TECHNICAL DATA

|                             |  |
|-----------------------------|--|
| <b>Form:</b>                | Clear liquid   |
| <b>VOC Content:</b>         | Available in formulations as low as <100 grams per liter – contact manufacturer for more information |
| <b>Active Ingredient:</b>   | RTV Silicone Rubber  |
| <b>Packaging:</b>           | 1 gallon (3.785 L) cans, 5 gallon (18.925 L) pails, 55 gallon (208.175 L) drums                      |
| <b>Total Solids:</b>        | 5%, 8% or 15%  |
| <b>Wt./Gal:</b>             | 7.425 to 14.025 lbs. depending upon formulation – contact manufacturer                               |
| <b>Shelf Life:</b>          | 1 year in unopened container   |
| <b>Flash Point:</b>         | 105° F   |
| <b>Solubility in water:</b> | <0.1%  |

## INSTALLATION

### *Preparatory Work*

#### **Prior to applying the water repellent, take precautions to protect:**

- building occupants – shut down air-handling equipment and cover heating and air-conditioning ducts and fresh air intakes
- pedestrians
- vehicles – move vehicles to protect from overspray
- metal, glass, anodized aluminum
- vegetation
- painted, and/or all non-masonry surfaces

### *Surface Preparation*

#### **Surfaces to be treated must be:**

- Clean & dry – minimum of 48 hrs. after rain or minimum of 72 hrs. after power washing
- Free from dirt, grease, oil, efflorescence, form release or any other paint/coating which may inhibit penetration and adhesion
- Completely cured
  - Concrete and masonry should cure for 28 days
  - Caulking and joint sealants should be installed and cured
- Properly prepared
  - Damaged mortar joints should be re-pointed
  - Extremely dense horizontal surfaces should be prepared using soda, sand, or shot blasting to facilitate penetration

### *Surface & Air Temperatures*

#### **May be applied at any temperature below 95° F. When applied at temperatures below 40° F, the product may cure at a slower rate. Product application must not be initiated:**

- During inclement weather
- When precipitation appears imminent – application should be completed at least twelve hours before onset of precipitation
- When frozen moisture is present in the substrate



## INSTALLATION

### *Test Area*

In order to determine exact coverage rates, evaluate performance and aesthetics, a mock-up is ALWAYS REQUIRED. The mock-up should be conducted in the same manner and on the exact substrate(s) that simulate actual project conditions. Visit [www.watersealant.com](http://www.watersealant.com) for application and testing guidance. The coverage rate chart provided in figure 1. reflects approximate coverage rates only.

### *Application*

- Apply material using high-volume, low pressure spray equipment (between 40-60 psi), with a fan tip and solvent resistant fittings. Roller, or brush of natural bristle may be used in areas where spray application is not appropriate.  
**Do not use Airless spray equipment.**
- Apply from top to bottom in a saturating flood coat obtaining a 4 to 6 inch rundown of product from the point where the spray makes contact with the surface. Continue down the building being sure to cover the rundown with an equal volume of product. Avoid excessive overlapping.
  - Denser substrates may require back rolling after product is applied to smooth out any rundown lines
  - Brush any excess product that may accumulate on ledges and other areas
- On horizontal surfaces, the water repellent must not be allowed to puddle or pond.
  - Over-application may result in product curing on the surface
  - Product not absorbed within 5-10 minutes must be immediately wiped up
  - PWS-15 Super Strength is not recommended for use on horizontal surfaces
  - Cures for foot traffic in 24 hrs. – vehicular traffic in 72 hrs.

### *Precautions*

- Use only as supplied – do not thin or dilute
- PWS-5 Regular & PWS-8 Extra must be used within 48 hrs. of opening – PWS-15 Super must be used same day as opening
- Clean application equipment immediately after each use with mineral spirits or paint thinner

## SAFETY INFORMATION

Avoid excessive exposure and breathing of vapor. Use with adequate ventilation. Do not take internally. Avoid contact with skin or clothing. Wash thoroughly after handling. Avoid contact with open flame, electric arcs or other hot surfaces.

Wear solvent resistant gloves, goggles and an OSHA approved, properly fitted respirator during application.

Remove victim to fresh air. If breathing has stopped, administer artificial respiration. Call a physician.

Remove contaminated clothing and shoes. Wash exposed area thoroughly with soap and water for at least 15 minutes. Wash contaminated clothing before reuse.

Flush eyes immediately with water for at least 15 minutes. If irritation persists, call a physician.

DO NOT INDUCE VOMITING. Contact physician or seek emergency medical treatment.

### **FIRST AID** **INHALATION**

### **SKIN**

### **EYES**

### **INGESTION**



## WARRANTY

### Limited Warranty

Professional Products of Kansas warrants this product to be free from defects for one year from date of manufacture. Professional Products of Kansas' liability shall be limited in all events to supplying sufficient product to retreat the specific areas to which defective product has been applied. THIS GUARANTEE IS EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY OTHER LIABILITIES ON THE PART OF SELLER. SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES. THIS PARAGRAPH IS NOT APPLICABLE TO CONSUMER TRANSACTIONS OR WHERE PROHIBITED BY LAW. This warranty may not be modified or extended by representatives of Professional Products of Kansas, Inc. or its distributors.

### Extended Warranty

Manufacturer warrants the performance of the product for up to ten years. Contact the manufacturer or visit [www.watersealant.com](http://www.watersealant.com) for warranty application details.

## TECHNICAL SERVICES

Complete technical services and samples are available. Services include assistance during design, specification, and application stages. Additional technical information is available at [www.watersealant.com](http://www.watersealant.com) or by calling 800-676-7346.

Figure 1. Estimated Coverage Chart

## ESTIMATED COVERAGE RATES

| Substrate                                | Product       | Coverage rate<br>Sq. ft. / gal | # coats |
|--|---------------|--------------------------------|---------|
| Block – Burnished                        | PWS-8 Extra   | 100-125                        | 1       |
| Block — Fluted                           | PWS-15 Super  | 60-125                         | 1*      |
| Block – Haydite (expanded shale)         | PWS-15 Super  | 50-80                          | 1*      |
| Block – Smooth (heavyweight)***          | PWS-15 Super  | 100-125                        | 1       |
| Block — Split face                       | PWS-15 Super  | 60-100                         | 1*      |
| Brick – hard fired vertical / horizontal | PWS-5 Regular | 125-150                        | 1       |
| Brick —Porous vertical                   | PWS-8 Extra   | 100-150                        | 1       |
| Brick — Porous horizontal                | PWS-5 Regular | 125-150                        | 1       |
| Concrete – poured, vertical              | PWS-5 Regular | 150-200                        | 1       |
| Concrete – poured, vertical / horizontal | PWS-5 Regular | 150-200                        | 1       |
| Concrete — Manufactured Stone            | PWS-5 Regular | 125-150                        | 1       |
| Concrete – Pavers                        | PWS-5 Regular | 100-150                        | 1       |
| Concrete — Precast                       | PWS-5 Regular | 100-150                        | 1       |
| Granite**— porous                        | PWS-5 Regular | 100-150                        | 1       |
| Limestone / Sandstone                    | PWS-8 Extra   | 100-150                        | 1       |
| Marble**— porous                         | PWS-5 Regular | 125-150                        | 1       |
| Slate                                    | PWS-5 Regular | 125-175                        | 1       |
| Stucco                                   | PWS-8 Extra   | 100-150                        | 1       |
| Wood – Cedar                             | PWS-8 Extra   | 125-150                        | 1       |
| Wood — Treated                           | PWS-5 Regular | 150-175                        | 1       |

\* Extremely porous block may require more than one coat.  
\*\* Not recommended for polished surfaces.  
\*\*\* These are generalized recommendations. I.e. Some Heavyweight block may require Extra Strength (PWS-8).  
RILEM testing will determine product selection and number of coats required for warranty.

