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PWS-15 Super, PWS-8 Extra

PRODUCT DESCRIPTION & USE

Professional® Water Sealant & Anti-Graffiti has been formulated and tested to provide superior protection against water intrusion and also for the easy removal of unwanted graffiti. A clear silicone rubber based formulation for use on block, brick, concrete, stone and other porous masonry surfaces. Penetrates and fills pores to prevent water intrusion and paint adhesion.

Protects both new and existing vertical substrates, has excellent stability against ultraviolet rays, salt spray, acid rain, mold and mildew. It also provides long lasting, non-sacrificial protection

Two strengths to compensate for varying porosities of building materials*

- PWS-15 Super Strength: 15% solids
- PWS-8 Extra Strength: 8% solids

**See Figure 1 for more information*

Advantages

- Provides for easy removal of graffiti
- Non-sacrificial—withstands repeated cycles of graffiti removal with no requirement to reapply the water repellent/anti-graffitiant
- Stops water intrusion, as well as provides graffiti protection
- Cost effective
- Easy to apply with low-pressure spray
- Bridges hairline cracks
- Breathable—allows moisture vapor to escape while preventing water penetration
- Protects against:
 - Efflorescence
 - Mold & mildew
 - Calcium carbonate stains
 - Chloride ion penetration
 - 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
- Withstands wind-driven rain

Cautions

Not suitable for:

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

TECHNICAL DATA

Form:	Clear liquid
VOC Content:	All products are available in formulations that comply with the most restrictive VOC regulations to include SCAQMD, CARB, OTC and LADCO.
Active Ingredient:	RTV Silicone Rubber
Packaging:	1 gallon (3.785 L) cans, 5 gallon (18.925 L) pails
Total Solids	8%, or 15%
Wt./Gal:	7.425 to 14.025 lbs. depending upon formulation—contact manufacturer for more specific info
Shelf Life:	1 year in unopened container
Flash Point:	105°
Solubility in water:	<0.1%

INSTALLATION

Preparatory Work

Prior to applying the water repellent/anti-graffitiant, protect:

- Building occupants—shut down air-handling equipment and cover heating and air conditioning ducts and fresh air-intakes
- Vehicles—move vehicles to protect from overspray
- Metal, glass, anodized aluminum
- Vegetation
- Painted, and/or all non-masonry surfaces

Surfaces to be treated must be:

- Clean & dry—minimum of 48 hours after rain or minimum of 72 hours 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 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 or when precipitation appears imminent—application should be completed at least twelve hours before onset of precipitation
- When frozen moisture is present in the substrate

Test Area

ALWAYS TEST surface in an inconspicuous area prior to application to determine suitability. Apply graffiti resistant coatings to test panels in accordance with manufacturer's written instructions. Allow 5 days curing time prior to applying graffiti paint to test panels. Apply graffiti paint to test panels and allow at least 24 hours for paint to cure. Apply cleaner to test for ease of removal of graffiti. Do not begin full-scale application until test panels are inspected and approved.

Application

- A two-coat application is required to establish an impenetrable barrier against graffiti. The first coat, in the two-coat process, is always PWS-15. The Second coat is either PWS-15 or PWS-8, depending on the porosity of the substrate.
- Apply material using high-volume, low pressure spray equipment (between 40-60 psi), with a fan tip and solvent resistant fittings.
Do not use Airless spray equipment.
- **First Coat:** 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
- **Second Coat:** Allow the surface to dry to the touch before applying a second coat (approx. 2 hrs). Repeat application as described for second coat. See detailed application instructions found on website: www.watersealant.com

Precautions

- Use only as supplied—do not thin or dilute
- Must be used the same day as opening
- Clean application equipment immediately after each use with mineral spirits or other solvent.

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.

FIRST AID

Inhalation

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

Skin

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

Eyes

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

Ingestion

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

WARRANTY

Professional Products of Kansas, Inc. warrants this product to be free from defects for one year from date of manufacture. Professional Products of Kansas, Inc.'s 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.

Manufacturer warrants the performance of the product for 5 years for graffiti protection and 10 years for water repellent protection. Contact the manufacturer at 800 676-7346 or visit www.watersealant.com for warranty application details.

TECHNICAL SERVICES

Technical services and samples are available upon request. Services include assistance during design, specification, and application stages. Please call 800-676-7346 for assistance.

ESTIMATED COVERAGE RATES

Figure 1. Estimated Coverage Chart**

Substrate	1 st Coat	Coverage rate Sq. ft./gal	2 nd Coat	Coverage rate Sq. ft./gal
Block – Burnished	PWS-15	100-125	PWS-8	110-135
Block - Fluted	PWS-15	60-100	PWS-15	70-110
Block – Haydite (expanded shale)	PWS-15	50-80	PWS-15	60-90
Block – Smooth (heavyweight)	PWS-15	100-125	PWS-15	110-135
Block – Split face	PWS-15	60-100	PWS-15	70-110
Brick – hard fired vertical	PWS-15	125-150	PWS-8	135-160
Brick – porous, vertical	PWS-15	100-150	PWS-8	110-160
Concrete – poured, vertical	PWS-15	150-200	PWS-8	160-210
Concrete – manufactured stone	PWS-15	125-150	PWS-8	135-160
Concrete – precast	PWS-15	100-150	PWS-8	110-160
Granite* - porous, not polished	PWS-15	100-150	PWS-8	110-160
Limestone / Sandstone	PWS-15	100-150	PWS-8	110-160
Marble* - porous, not polished	PWS-15	125-150	PWS-8	135-160
Slate	PWS-15	125-175	PWS-8	135-185
Stucco	PWS-15	100-150	PWS-8	110-160

*Not recommended for polished surfaces.

** These are generalized recommendations. Actual coverage rates and product performance is to be determined by testing.