

Poly Waterstop

POLYMER MODIFIED CEMENTITIOUS DAMP PROOF COATING

DS.PW.061620

PRODUCT

Poly Waterstop

MANUFACTURER

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DESCRIPTION

Poly Waterstop is a one component, polymer modified, cement coating designed to waterproof/damp proof concrete and masonry. It may be used above or below grade. Consists of polymer, cement, fine aggregate and other propriety chemicals. The waterproof additives are cross linked with the polymer providing long-term performance. Produces premium waterproofing properties combined with the durability of a cement based coating. Available in gray, white and special order colors. The finish of the cured coating is a light texture. For greater flexural strength and water repellency, add R-FlexAd or R-AcrylicAd as partial replacement of water.

USES

As a damp proof and decorative coating for above or below grade masonry and concrete. Waterproof/damp proof coating for basement walls, retaining walls, planters, fountains and reservoirs. Decorate and waterproof block walls, pools, stucco and concrete structures.

ADVANTAGES

- Premium waterproof coating.
- Decorative coating more durable than paint.
- Cement-to-cement bond becomes part of the substrate.
- Simple one component system-add only water.
- Safe and easy application and clean-up.

PACKAGING

Available in 50lb. moisture resistance bags or 50lb. plastic pails. 56 bags per pallet or 36 pails per pallet. **Shelf Life:** When stored in a cool dry area, is approximately six months to one year. For maximum shelf life avoid moisture and high humidity.

COVERAGE

At 1/16" thick approximate coverage per 50 lb. is 200 sq. ft. per coat. Minimum 2 coats required for waterproofing properties. Coverage figures are approximate only. Coverage may vary due to substrate and job requirements.

LIMITATIONS

- Will not bridge moving cracks in the substrate.
- Do not apply to frozen substrates.
- Properly cure in extreme heat and wind.
- Do not apply when rain or freezing temperatures of 40°F are expected prior to cure.

TECHNICAL DATA

Meets the 1997 UBC as a damp proof coating under the category of acrylic modified cement coatings in Appendix Chapter 18 section 1824. Test results for Poly Waterstop are:

<u>ASTM E514-90</u>	
Water penetration through masonry.	Passed-no leakage
<u>ASTM D5385</u>	
Hydrostatic pressure resistance	=110 ft.
Water absorption	=less than 5%
Compressive strength	>3000 psi
Sulfate resistance	=excellent

INSTALLATION

Surface preparation: All surfaces must be clean and structurally sound with no dirt, grease, oil, efflorescence, curing compounds or any type of bond inhibitors. Dense or smooth surfaces should be roughened. Mortar droppings and other impediments should be removed prior to application. Repair all holes, voids and cracks. Dampen the substrate just prior to application-no standing water. Substrate may be primed with Silica Shield-Primer for improved adhesion and sealing.

Mixing: Slowly add to clean potable water (approximately 1.7-2 gallons per 50lb. bag/pail). Thoroughly mix the material to a thick pancake batter consistency making sure all lumps are removed. Allow to stand 10-15 minutes before application. Remix and adjust consistency just prior to application. **Do not over water material. Do not over mix.**

Application: Apply coating with a brush, roller or trowel in a minimum of 2 even coats. Coat thickness 1/16"-1/8" (coverage may vary) extend coating over footings. Allow 1st coat to dry before applying second coat. If coating drags during application re-wet substrate, do not over water coating. Cure 48 hours prior to filling.

AVAILABILITY / TECHNICAL SERVICES

Contact ORCO Blended Products for dealers in your area and technical services at 877-838-6726.

CAUTION

Prolonged exposure to dust may cause delayed lung disease. Eliminate exposure to dust. Use NIOSH approved mask for silica dust. Freshly mixed materials may cause skin irritation. Avoid direct contact where possible and wash exposed skin areas promptly. If any cementitious materials get into the eyes, rinse immediately and repeatedly with water and get prompt medical attention. See SDS sheet. **Warning:** This product can expose you to Silica, crystalline (airborne particles or respirable size) which is known to the State of California to cause cancer. For more information go to www.p65Warnings.ca.gov.

WARRANTY

The technical information and usage statements are based on our best knowledge. The contents of this specification sheet are presented for informational purposes only and do not constitute responsibility for their use. The manufacturer will replace only that material which is proven defective due to quality of the components or the manufacturing process.

PRODUCT DATA SHEETS ARE SUBJECT TO CHANGE WITHOUT NOTIFICATION. TEST RESULTS SHOWN ARE TYPICAL BUT FIELD PERFORMANCE WILL VARY DEPENDING ON INSTALLATION METHODS AND JOB CONDITIONS. *MAC, VBM MORTARS ARE A TRADEMARK OF R-CRETE INC.