



Data Sheet | Eco-Smart Membrane WS M5

WS M5 Eco-Smart Textured Series is a liquid-applied, high build, low gloss, textured acrylic elastomeric coating that may be used to fix a variety of substances due to its high elongation properties. WS M5 is a perfect fix for sealing any minor cracks and imperfections. With exceptional aging properties, future ruptures, cracks and delaminating are prevented, increasing durability and providing long-lasting protection. Its unique molecular structure allows for substrate movement, accommodation to sudden temperature fluctuation, is able to perfectly utilize its tensile strength and elongation abilities and allow the substrate to breathe, preventing damage from moisture and activated salts present. In tandem with the instructions outlined in the following Product Information Sheets, WS M5 creates a strong, solar reflective coating able to withstand fungi and mildew while providing cushion to the structure underneath.

Refer to Product Information Sheets of PolyBond for base coat.

Uses

WS M5 Eco-Smart Textured Series becomes an integral piece of a substrate as it:

- Is used on exterior and interior above grade surfaces to add long lasting color and texture to walls.
- May be applied on stucco, concrete/ cinder blocks, finer cement siding, pre- cast or cast in place concrete and masonry
- May be applied on PolyBond and PolyRock, and other approved substrates
- May be used on insulation boards base coated with PolyBond
- Waterproofs new or existing structures
- Good alternative to lower rear deterioration costs in concrete structures
- Prevents scaling and spalling

Features

- Virtually maintenance free
- Provides surface color and texture for Exterior Insulation & Finish System
- Resists harsh conditions including rain, sleet, snow, hail, mold, mildew and dirt.
- Breathable
- Exceptional elongation properties and recovery strength
- Withstands extreme weather fluctuations and maintains flexibility
- Seals and waterproofs minor surface imperfections and hairline cracks
- UV light stable and fade resistant
- Does not sustain algae, mildew, fungus, and moss growth
- Non-flammable
- Four tint bases
- Alkaline resistant
- Protects from chemical and mechanical damage from acid rain, salts and weather erosions that may cause fractures



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General Data

<i>Type</i>	Acrylic Elastomeric
<i>VOC</i>	Less than 20 g/L
<i>Weight Solids</i>	Approx. 80%
<i>Weight per Gallon</i>	14.2 lbs/gallon
<i>Coverage</i>	130 to 140 sq. ft./5 USG pail
<i>Film Thickness (wet)</i>	50 to 60 mils depending on aggregate
<i>Viscosity</i>	Trowelable
<i>Dries by</i>	Evaporation, Coalescence
<i>Dry Time @20°C (68°F)</i>	Tack-free: 3 hours Full Cure: 24 hours
<i>Water Vapour Transmission</i>	2.9 Perms
<i>Surface Temperature at Application</i>	Min. 10°C (50°F) Max. 35°C (95°F)

Coverage

Coverage varies on substrate and aggregate used on various finishes and individual application techniques. The finer the aggregate used will result in more coverage by pail of product. One pail covers approx. 130 to 140 sq. ft. (12 to 13 m²)

Texture

Texture of the finish varies on aggregate size and trowel motion. Finishes may be applied by trowel or sprayer using a hopper gun or pole gun type. With stucco, texture designs may be customized depending on the tools used to create the finish.

Job Site Conditions

Ensure ambient and surface temperatures stay above 10°C (50°F) during application and 24 hours after application. Protect application from weather and other potential damages until base coat, finish coat, flashings and sealants are fully cured.

Surface Preparation

Prior to the application of WS M5, ensure that the surface is clean, dry and free of any dust, peeling paint, loose masonry and rust, release agents, efflorescence, mildew and stains to increase the quality of adhesion. Dull any glossy areas and power wash or scrub areas that are not weathered using a strong detergent, such as Cleaner Degreaser, and remove surface salts. For mildew removal, scrub using a wash targeted for mildew according to the manufacturer instructions.

PolyBond/ BaseCoat

Cure base coat for a minimum of 24 hours before applying WS M5.



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Concrete

Allow freshly poured concrete to age for a minimum of 14 days prior to the application of WS M5. Remove all traces of releasing agents from poured or pre-cast concrete surfaces with caution. Seal cracks using cement based on caulking compounds, such as PolyRock. Do not use oil-based caulking. Brush surface using stiff fibre bristles to remove any loose particles. Free surface from any projections and ridges. Prime surface, if needed.

Masonry

To level and smooth masonry surfaces, with joints struck flush with the surface, skim coat with PolyBond.

Mixing

Mix thoroughly using stainless steel blade mixer and an electric 1/2" heavy duty drill until a workable consistency is obtained.

Application

To apply WS M5, use a stainless steel trowel to level a coat to approximately a thickness, as thick or slightly thicker, than the largest aggregate. Pull trowel across the rough application coat using a horizontal motion to develop a uniform thickness no thicker than the largest aggregate of material. Achieve textures by various aggregate sizes, uniform hand motion and type of tool. Maintain wet edge for uniformity of texture and color.

Thinning/Cleanup

Do not use thinners as it will reduce the sealing ability of the product. Do not add other paints or solvent with this product. Wash all equipment in a warm detergent solution then rinse with water. Spray equipments should be given a final rinse using mineral spirits to prevent rusting.

Use completely or properly dispose. Local disposal requirements vary; refer to your local environmental agencies for more information on disposal options. Recycle any empty containers.

Environmental and Safety Information

Avoid contact with eyes, prolonged or repeated contact with skin, and inhaling vapours, spray mist or sanding dust. Use product with adequate ventilation. Wear eye protection and gloves during application or sanding. When sanding or spraying, a dust/particulate respirator approved by NIOSH must be worn. Close container between uses.

First Aid

Periodically move to fresh air to minimize any effects by inhalation of vapours and spray mist. In case of eye contact, rinse immediately with water for 15 minutes and consult a physician. For skin contact, wash thoroughly with soap and water. In case of ingestion, seek medical aid immediately—refrain from physically expelling product by vomiting.



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Spills

Absorb any spilled products using an inert material. Follow the instructions specified in Thinning/Cleanup

Shelf Life

Unopened, WS M5 has a shelf life of 6 months when stored out of direct sunlight at temperatures between 5°C (42°F) and 35°C (95°F).

Limitations

- Do not use for applications below grade
- Do not use for immersion service
- Do not use as a stand alone coating for exterior applications over gypsum board or insulation board
- Do not store at 5°C (42°F) or above 35°C (95°F).

Packaging

WS M5 30x5 USG pails on a pallet
 5 USG (~32 kg) pails

Warranty Disclaimer

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