



TK-HYDROMAX® 2003

Rubberized Water Base Foundation Coating (Residential)

Item No. TK-2003

PRODUCT DESCRIPTION

TK-HYDROMAX® 2003 is a single-component, non-breathable, liquid applied foundation coating for waterproofing below-grade concrete. This water based, rubberized coating provides a continuous protective barrier against the penetration of water and a variety of chemicals.

USES:

Suitable for exterior use on residential below-grade poured concrete, CMU, precast foundation walls and insulated concrete forms (ICF).

APPLICATION PROCEDURES:

PREPARATION:

A clean, dry and frost free surface is required. Any dirt, oils, grease, debris or other contaminants must be removed. Any and all previous coatings must be removed prior to application of this product.

New/"Green" Concrete and Damp Surface preparation -

New concrete should be allowed to cure until the surface appears dry. For proper adhesion, any concrete walls or concrete blocks that have been placed late in the year should be allowed to gain sufficient strength prior to application.

Existing Concrete preparation - All masonry block and poured concrete voids, form tie holes, cracks and honeycombed areas should be filled, repaired and footings properly cleaned. Mortar smears, dirt and form release agents that will negatively affect adhesion must be removed prior to application of this product.

APPLICATION:

Apply in a uniform manner using a Graco 733/833 airless sprayer with a 0.033 -0.037 tip. Larger tip sizes may be used and will improve throughput, however surface defects may appear due to poor atomization. Apply at approximately 50-55 square feet per gallon. Make certain to cover and fill any pinholes or seams.

The wall may be back filled once the film is cured. No protection board is required for back filled depths of less than 9 feet, as long as the wall is carefully back filled with granular material that does not contain large and/or frozen chunks that will puncture the coating.

CLEAN UP:

Clean equipment, tools and spills with soap and water before the material dries.

COVERAGE:

The coverage rate is inversely affected by the texture and porosity of the substrate. One coat is sufficiently applied at 45-55 square feet per gallon (30-35 wet mils/ 12-15 dry mils). Inspect the surface and make certain that the coverage of the coating is continuous and uninterrupted. Any area that is thin may be recoated.

Coverage rates are provided as a guideline only. Many factors including surface texture and porosity will determine actual coverage rates.

MAINTENANCE:

Minimal maintenance is required. If weathering occurs, TK-HYDROMAX® 2003 may be reapplied to the affected area.

TECHNICAL DATA

Composition and Materials:	A rubberized latex copolymer formulation
% Solids by Weight:	45 +/- 1%
Flash Point:	No flash - aqueous system
Drying Time:	
Tack Free	1-4 hours
Recoat	8-24 hours
Full Cure	24-72 hours
VOC Content:	< 100 g/l
A.I.M. Category:	Waterproofing Sealers and Treatments Maximum VOC 600 g/l

TESTING DATA

APPLICABLE STANDARDS	TK-HYDROMAX® 2003 PERFORMANCE
ASTM E 96: Permeability	0.1 Perms
ASTM C1350: Crack Bridging	Pass, No cracking or loss of adhesion
ASTM D 412: Tensile Strength and Elongation	215 PSI 241%
ASTM D 3359-93: Adhesion	No peeling

RESISTANCE CHART

Abrasion	Good
Acid	Good
Alkali	Excellent
Humidity	Good

LIMITATIONS:

- Do not apply when substrate or ambient temperatures are below 40°F, or are expected to drop below this level within the cure time of the coating.
- Do not apply if precipitation is expected within the cure time of the coating.
- Cure times are significantly extended by low temperatures and/or high humidity. In ideal application conditions (70°F and 50% relative humidity) the cure time is approximately 12-24 hours.
- Do not apply to wet, damp or frosty substrates. Maximum allowable moisture content of the substrate is 17%.
- This product should not be applied over silicone rubber sealants or caulks.
- This product should be fully cured before installation of rigid insulation overtop the membrane.
- The product is not resistant to aromatic, ketone or ester-type solvents.

FIRST AID:

- Consult this product's safety data sheet for additional health and safety information. Safety Data Sheets are available through TK distributors, the TK office and the TK website.

AVAILABILITY:

TK-HYDROMAX® 2003 is available through TK Distributors. Contact TK Products for the nearest distributor.

Available in Dawn Mist and Stone Gray.

Packaged in 250-gallon totes, 55-gallon drums and 5-gallon pails.

FOR PROFESSIONAL USE ONLY

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