TK PRODUCTS
CONCRETE TREATMENTS & COATINGS

Division of Sierra Corporation
ISO 9001:2008 CERTIFIED

UES™

VOC Regulatory Compliance: ☑ AIM ☐ OTC ☐ LADCO ☐ CARB ☐ SCAQMD ☐ CANADA

TK-HYDROMAX® 2002

Foundation Waterproof Coating (Residential)

Solvent Base | IAPMO ER# 0338 | Meets ICC-AC-29

Item No. TK-2002

PRODUCT DESCRIPTION

TK-HYDROMAX® 2002 is a non-breathable, single component, fluid applied foundation coating. This solvent-based, rubberized polymer formulation is used to waterproof below-grade concrete surfaces.

USES:

Suitable for exterior use on below-grade foundation walls, CMU and poured concrete.

APPLICATION PROCEDURES:

PREPARATION:

A clean, dry and frost free surface is required. Any dirt, oils, grease, debris, concrete laitance or other contaminants must be removed. Surfaces should be smooth and free of any voids, spalled areas, loose substrate, protusions or coarse aggregate. To remove dirt, dust or loose stones, the substrate must be wire-brushed, swept with a stiff broom or blown with high pressure air. Surfaces of poor quality or with excessive laitance may require shotblasting or pressure washing to rid it of contaminants and to provide a dense, smooth surface. Defects such as spalled concrete or poorly joined areas must be repaired. Any and all previous coatings must be removed prior to application of this product. All masonry joints must be tooled and brushed. The assembly wall is to be unparged.

When applying to CMU substrates, make sure all mortar joints are tooled both inside and outside to form a continuous mortar joint.

When applying to poured concrete, remove all form ties inside and out, while pre-treating all tie holes with TK-Super Seal, or pre-approved caulk prior to the waterproofing application.

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. TK-HYDROMAX® 2002 may be applied to "green" concrete, however any visible, running or standing water should be removed prior to application. Control joints should be sprayed using TK-HYDROMAX® 2002. Once cured, apply TK-CLIMATE FLASH™ sheet membrane, or an approved equal, and extend 6" on both sides of joint. Caulk edges with TK-SUPER SEAL™.

Existing Concrete preparation

Tie-holes, bug holes and surface abnormalities exceeding 1/2" in diameter or 1/8" deep (or both) shall be pretreated using either a small amount of TK-HYDROMAX® 2002 back rolled, or a lean concrete mix of grout. Surfaces that are cracked, pitted, honeycombed or heavily bugholed may be filled with waterproofing, TK-SUPER SEAL PE™ or an approved caulk. Gaps may also be filled with a compatible sealant or caulk. Remove windows, protusions and form match lines. High spots greater than 1/32" in height should also be removed.

Drain and Penetration Detailing - Once the waterproofing membrane has cured, any penetration openings must be sealed and stabilized.

Back Fill and Drain Tile - Install a fabric socked drain tile with proper hook up and daylight. Back fill with clean pea stone for proper drainage.

TECHNICAL DATA

Composition and Materials:	A rubberized polymer blend in an aromatic hydrocarbon blend solvent.
% Solids by Weight:	48-50%
Flash Point:	Flammable, less than 100°F
Drying Time: Tack Free Full Cure	1 hour (recoat 2-4 hours) 3-7 days
VOC Content:	< 600 g/l
A.I.M. Category:	Waterproofing Sealers and Treatments Maximum VOC 600 g/l

TESTING DATA

APPLICABLE STANDARDS	*TK-HYDROMAX® 2002 PERFORMANCE*
ASTM C 1306/D5385: Hydrostatic Pressure over Cracks	.310 (45.0) MPa (psig)
ASTM C 836-03 Section 6.10: Adhesion Strength	11.9 lbf/inch
ASTM D 2939: Resistance to Water	Passed
ASTM C 836-89 Section 6.7: Low Temperature Flexibility and Crack Bridging	11.9 lbf/inch
ASTM D 412: Vulcanized Rubber and Thermoplastic Elastomers - Tension	637%
ASTM E 96-00: Water Vapor Transmission and Vapor Permeability Test, Procedure B	0.05 Perms 0.0015 Permeability
ASTM C 1305: Crack Bridging Ability	Pass, showed no cracking or loss of adhesion upon completion of 10 cycles of movement at -15°F.
ASTM C 1306: Hydrostatic Pressure Resistance	Passed long-term test
ASTM C 1522: Extensibility after Heat Aging	No cracks, tears or holes observed after extending the membrane.

MIXING:

The material is ready for use and requires no mixing unless signs of separation are evident. It is unlawful to further reduce with non-exempt solvents.

APPLICATION:

TK-HYDROMAX® 2002 should be applied directly to concrete by spray. A typical sprayer is a Graco 733/833 45:1 airless with a 0.039 tip. Brush and/or roller will work for application to smaller areas or for touch ups.

Application of Drainage, Protection or Insulation - Protect TK-HYDROMAX® 2002 from other traffic, construction materials or backfill to avoid damaging it. Once the membrane has properly cured, use a protection/drainage composite with filter fabric. Extruded polystyrene insulation boards are compatible with TK-HYDROMAX® 2002 once the product has fully cured.

CLEAN UP:

Use TK-00 XYLENE to clean tools and equipment. Pump solvent through the spray equipment to remove material residue which can clog the hose and wand assembly.

COVERAGE:

The coverage rate is inversely affected by the texture and porosity of the substrate. One coat is sufficiently applied at 50-55 square feet per gallon (32 wet 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® 2002 may be reapplied to the affected area.

LIMITATIONS:

- The coating must be applied at temperatures between 0°F to 100°F.
- Apply directly to concrete surfaces.
- Do not apply over lightweight insulating concrete forms. If insulation is used it must be installed overtop the membrane.

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® 2002 is available through TK Distributors. Contact TK Products for the nearest distributor.
Available in Dawn Mist and Stone Gray.
Available in residential and commercial formulations.
Packaged in 55-gallon drums and 5-gallon pails.

FOR PROFESSIONAL USE ONLY

01/16 Last Rev. 05/15

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