



Division of Sierra Corporation
ISO 9001:2008 Certified

TK-HYDROMAX 2002 SOLVENT BASE FOUNDATION WATERPROOF COATING

(Residential) Meets ICC - AC 29

Technical Data

TK-2002 RUBBERIZED FOUNDATION
Waterproof/Dampproof Coating

TK PRODUCTS
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1. PRODUCT NAME

TK-HYDROMAX 2002 FOUNDATION WATERPROOF COATING

2. MANUFACTURER

TK PRODUCTS
DIVISION OF SIERRA CORPORATION
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3. PRODUCT DESCRIPTION

TK-HYDROMAX 2002 FOUNDATION WATERPROOF COATING is a rubberized polymer formulation intended to waterproof poured concrete, CMU, precast for below grade foundation walls. It can bridge small cracks up to 1/16", helping it to prevent the penetration of water and other chemicals through the wall.

This product complies with the ICCAC29 (Acceptance Criteria for Cold, Liquid-Applied Below Grade, Exterior Damp proofing and Waterproofing Materials.)

4. TECHNICAL DATA

TK-HYDROMAX 2002 FOUNDATION WATERPROOF COATING is a single component fluid applied foundation coating that is non-breathable.

Composition and Materials:

Rubberized polymer blend in an aromatic hydrocarbon blend solvent.

- Non-Volatile Content: 48 – 50%
- Color: Pearl Gray
- Flash Point: Flammable, less than 76° F.
- Drying Time: 1 hour tack free, recoat 2-4 hours, full cure in 4-8 hours.

Applicable Standards

TK-Rubberized Foundation meets or exceeds the following standards:

- ASTM C1306/D5385, Hydrostatic Pressure Over Cracks
- ASTM C836-03 Section 6.10, Adhesion Strength

-ASTM D2939, Resistance to Water
-ASTM C836-89 Section 6.7, Low Temperature Flexibility and Crack Bridging

-ASTM C836-89, Film Thickness Vertical Surface

-ASTM C836-89 Section 6.12, Extensibility After Heat Aging, minimum

-ASTM E154-88 Section 13, Resistance to Decay

-ASTM E96-80, Water Vapor Permeance, water method

- VOC - Less than 600 grams per liter.

- A.I.M. Category: Waterproofing Sealer and Treatment - maximum VOC 600g/l.

- A.I.M. Definition: A coating formulated and recommended for application to a porous substrate for the primary purpose of preventing the penetration of water.

5. APPLICATION PROCEDURES AND INSTRUCTIONS

Preparation:

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

A clean, dry surface is required. New concrete should be allowed to cure until the surface appears dry. Surface should be frost free. Concrete block laid and walls poured late in the year should be allowed to gain sufficient strength for good adhesion. Existing concrete surfaces must be thoroughly cleaned and dry prior to application. All previous coatings must be removed.

All masonry block and poured concrete voids, form tie holes, cracks, and honeycombed areas should be filled and repaired and footings cleaned. Mortar smears, dirt and form release agents that will affect adhesion should be removed.

TK-HYDROMAX 2002 FOUNDATION WATERPROOF COATING should be applied directly to the clean, dry concrete surface unless TK-2001 DAMPPROOF FOUNDATION COATING has been used as a prime coat.

Application:

A typical sprayer is a Graco 733-833 45:1 airless with a 0.037 tip. Brush and/or roller will also work.

Coverage:

Coverage rate is inversely affected by the texture and porosity of the substrate. One coat is sufficient applied, 42 - 57 sq. ft. per gallon, or 29-40 wet mil film. This will give a dry film of 29-36 mils. Any area that is thin may be recoated.

The wall can be back filled once the film has 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 with no large and/or frozen chunks that will puncture the coating.

Limitations:

TK-HYDROMAX 2002 FOUNDATION WATERPROOF COATING can be applied at temperatures of 0° F through 100° F.

Cleanup of Equipment:

Use TK-00 Solvent. For sprayer, pump the solvent through the spray equipment to remove residue of materials which can clog the hose and wand assembly.

Precautions:

TK-HYDROMAX 2002 FOUNDATION WATERPROOF COATING contains aromatic hydrocarbon. Keep away from heat and flame. Prevent buildup of vapors. Use only with adequate ventilation. Do not inhale vapor or spray mist. If you experience eye watering, headaches or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, increase fresh air entry or wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during and after the application processes. Any person using a respirator must be trained on proper respirator use. Close container after each use. Avoid contact with eyes, skin, and clothing. Wash after handling. KEEP OUT OF REACH OF CHILDREN. Do not allow vapors to penetrate into foodstuffs. TK-HYDROMAX 2002 FOUNDATION WATERPROOF COATING is not toxic in its cured state.

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First Aid:

If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately. In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention immediately. For contact with skin, wash thoroughly with soap and water. If swallowed, do not induce vomiting. Call a physician immediately.

In Case of Fire:

Use foam, CO₂, dry chemical. Do not use water spray. Generic Name: Petroleum Distillates.

Spills or Leaks:

Contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused content in accordance with local, state and federal regulations.

For safety controls, Material Safety Data Sheets are available from TK Distributors, the TK Office or the TK Website. This information should be read before using this product.

6. AVAILABILITY

TK-HYDROMAX 2002 FOUNDATION WATERPROOF COATING is available through TK Distributors. Contact TK Products for the nearest distributor.

Packaged in: 55-gallon drums, and 5-gallon pails.

Maintenance

Minimal maintenance is required. If weathering occurs to the exposed area, TK-HYDROMAX 2002 FOUNDATION WATERPROOF COATING can be reapplied to the affected area.

7. CONDITIONS OF SALE/ LIMITED WARRANTY

TK Products, division of the Sierra Corporation, warrants that its products conform to the label descriptions, are free from manufacturing defects, and are fit for the ordinary purposes for which such goods are used. Inasmuch as the use of TK Products' product by others and other factors affecting product performance are beyond TK Products' control, TK Products does not guarantee the results to be obtained. There are no warranties except as stated herein, either express or implied, including implied warranties of merchantability or fitness for a particular purpose. **SHOULD ANY TK PRODUCTS' PRODUCT FAIL TO GIVE SATISFACTORY RESULTS, TK PRODUCTS WILL REPLACE THE PRODUCT, OR AT ITS OPTION, REFUND THE PURCHASE PRICE. THIS IS THE SOLE AND EXCLUSIVE REMEDY FOR ANY FAILURE OF TK PRODUCTS' PRODUCTS TO PERFORM AS WARRANTED AND SHALL ALSO CONSTITUTE LIQUIDATED DAMAGES IN CASE OF LOSS. UNDER NO CIRCUMSTANCES SHALL THE BUYER BE ENTITLED TO ANY OTHER REMEDY OR DAMAGES. REMEDIES FOR INCIDENTAL AND CONSEQUENTIAL DAMAGES ARE SPECIFICALLY EXCLUDED. TK Products does not authorize any person to assume for it any other liability in connection with the sale or use of its products unless specifically authorized by TK Products in writing.**

8. TECHNICAL SERVICES

The TK office offers assistance with specifications, performance test data and field services.

9. FILING SYSTEMS

Information Handling Services
PO Box 1213
Englewood, CO 80150
Information Marketing Services
13271 Northend
Oak Park, MI 48237

TK DISCLAIMER:

Every effort has been made to ensure the accuracy of the above information and to avoid infringement of any patent or copyright. The information is based on field tests by government and private agencies, as well as lab tests, and on technical data from raw material manufacturers. The person(s) specifying or requesting the use of these products is responsible for assuring their suitability for a specific use, as well as the proper application of the products. Where there is any question as to the suitability of a particular product, a small test patch is recommended. See also CONDITIONS OF SALE/ LIMITED WARRANTY (Section 7) above.

FOR INDUSTRIAL USE ONLY

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Applicable Standards	TK-HydroMax 2002 Performance
ASTM C1306/D5385 - Hydrostatic Pressure Over Cracks	.310 (45.0)
ASTM C836-03 Section 6.10 - Adhesion Strength	11.9 lbf/inch
ASTM D2939 - Resistance to Water	Passed
ASTM D412 - Vulcanized Rubber and Thermoplastic Elastomers - Tension	637%
ASTM C836-89 Section 6.7 - Low Temperature Flexibility and Crack Bridging	11.9 lbf/inch
ASTM E 96-00 - Water Vapor Transmission and Vapor Permeability Test, Procedure B	0.05 Perms 0.0015 Permeability
ASTM C1305 - Exhibited no cracking or loss of adhesion upon completion of 10 cycles of movement at -15°F	Pass
ASTM C1306 - Hydrostatic Pressure Resistance	Passed long-term test