



PRODUCTS

Division of Sierra Corporation
ISO 9001:2008 Certified

TK-HYDROMAX® 2001 VOC DAMPPROOF COATING

Meets Federal EPA's VOC Requirements

Technical Data

1. PRODUCT NAME

TK-HYDROMAX® 2001 VOC
DAMPPROOF COATING

2. MANUFACTURER

TK PRODUCTS
DIVISION OF SIERRA CORPORATION
11400 West 47th Street
Minnetonka, MN 55343
952-938-7223
952-938-8084 (FAX)
E-mail: tkproduct@aol.com
Website: <http://www.tkproduct.com>

3. PRODUCT DESCRIPTION

TK-HYDROMAX® 2001 VOC DAMPPROOF COATING is a plastic solution formulation for dampproofing above or below-grade poured concrete, CMU and precast foundation walls and preventing the penetration of water and other chemicals.

Unlike asphalt-based products, TK-HYDROMAX® 2001 VOC penetrates the surface to form a mechanical bond that is stronger than the concrete itself and will show no peeling, blistering or bubbling.

While TK-HYDROMAX® 2001 VOC DAMPPROOF COATING was designed to be applied to the exterior of the wall, its neutral coloring allows for application to the interior as a decorative coating with additional moisture/vapor retarding benefits.

Basic Uses:

For commercial or residential above or below-grade foundation walls, CMU or poured concrete.

4. TECHNICAL DATA

TK-HYDROMAX® 2001 VOC DAMPPROOF COATING is a single component liquid applied foundation coating that is non-breathable and non-elastomeric.

Composition and Materials:

Hydrocarbon Resin / Polystyrene in aromatic hydrocarbon blend solvent.

Solids Content:	49%
VOC Content:	< 600 g/l

Color(s):	Dawn Mist, Stone Gray
Flash Point:	Flammable, less than 100°F
Drying Time:	1 hour (recoat 2-4 hrs) 4-8 hours
Tack Free:	
Full Cure:	

Applicable Standards

TK-HYDROMAX® 2001 VOC DAMPPROOF COATING meets or exceeds the following standards:

- ASTM E96-92 Permeability
- ASTM D 412-92 Tensile Strength and Elongation
- ASTM D 3359-93 Adhesion
- ASTM D 579-81 Long Term Moisture Penetration
- ASTM D570-81 Water Absorption
- ASTM D4541-93 Bond Strength
- ASTM D522-88 Flexibility
- 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.
- USDA authorization for use in meat, poultry and food processing plants.

5. APPLICATION PROCEDURES AND INSTRUCTIONS

Preparation:

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

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

Mixing:

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.

Application:

TK-HYDROMAX® 2001 VOC DAMPPROOF COATING should be applied directly to clean dry concrete by spray, brush or roller.

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

The wall can be back filled once the film is cured. No protection board is required, if carefully backfilled with granular material with no large and/or frozen chunks that will puncture the coating.

Coverage:

Coverage rate is inversely affected by the texture and porosity of the substrate. One coat is sufficient at 45-63 sq. ft. per gallon (25-36 wet mils = 10-13 dry mils). Typical coverage for tight block walls is 45-50 sq. ft. per gallon. Typical coverage for poured walls is 63 sq. ft. per gallon. Any area that is thin may be recoated.

Limitations:

TK-HYDROMAX® 2001 VOC DAMPPROOF COATING must be applied at temperatures between 0° F to 100° F.

Clean Up:

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® 2001 VOC DAMPPROOF COATING contains flammable solvents. Keep away from heat and flame. Prevent build-up of vapors and use only with adequate ventilation. Do not inhale vapor or spray mist. Do not allow vapors to penetrate into foodstuffs. 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

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appropriate, properly fitted respirator (NIOSH/MSHA approved) during and after application. Close container after each use. Avoid contact with eyes, skin, and clothing. Wash after handling. KEEP OUT OF REACH OF CHILDREN. In its cured state TK-HYDROMAX® 2001 VOC DAMPPROOF COATING is non-toxic.

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. If skin contact occurs, wash thoroughly with soap and water. If swallowed, do not induce vomiting and 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.

6. AVAILABILITY

TK-HYDROMAX® 2001 VOC DAMPPROOF COATING is available through TK Distributors. Contact TK Products for the nearest distributor.

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

Available in Dawn Mist or Stone Gray.

Maintenance

Minimal maintenance is required. If weathering occurs, TK-HYDROMAX®

2001 VOC DAMPPROOF 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

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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® 2001 VOC Performance
ASTM E96-92 - Permeability	0.8 perms (grains/hr ft ² in Hg)
ASTM D 412-92 - Tensile Strength and Elongation	881 PSI, 2%
ASTM D 3359-93 - Adhesion	5A - No peeling or removal
ASTM D 579-81 - Long Term Moisture	4.22 WT%
ASTM D570-81 - Water Absorption	0.38 WT%
ASTM D4541-93 - Bond Strength	340 PSI
ASTM D522-88 - Flexibility	