



UES ER - 0338

VOC Regulatory Compliance:



TK-HYDROMAX[®] 2001

Dampproof Coating

Item No. TK-2001

PRODUCT DESCRIPTION

TK-HYDROMAX[®] 2001 is a thermal plastic formulation for dampproofing poured concrete and CMU block foundation walls to prevent the penetration of water and a variety of chemicals.

Features:

- TK-HYDROMAX[®] 2001 penetrates the surface to form a mechanical bond that is stronger than the concrete itself.
- Will not peel, blister or bubble.
- Neutral coloring allows for application to either the exterior of the wall or the interior as a decorative coating with additional moisture/vapor retarding benefits.

USES:

Suitable for interior or exterior use on commercial/residential poured concrete, CMU, and precast foundation walls. May be used below-grade, above-grade or as an interior vapor barrier.

APPLICATION PROCEDURES:

PREPARATION:

A clean, dry and frost free surface is required.

Existing Concrete preparation - Existing surfaces should be thoroughly cleaned and any previous coatings must be removed prior to application of this product. All masonry block and poured concrete voids, tie holes, cracks, cold joints or honeycombed areas should be filled and footings cleaned. Mortar smears, dirt, concrete laitance or form release agents that will affect adhesion should be properly removed.

New Concrete 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.

Knock off any interior or exterior ties and fill all exterior holes with

TK-SUPER SEAL, TK-WATERPLUG or an approved caulk.

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[®] 2001 should be applied directly to 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 application to smaller areas.

The wall may be back filled once the film has cured. No protection board is required if carefully back filled with granular material that does not contain large or frozen chunks that could damage the coating.

TECHNICAL DATA

Composition and Materials:	A hydrocarbon resin/polystyrene in an aromatic blend solvent.
% Solids by Weight:	46%-47%
Flash Point:	Flammable, less than 100°F
Drying Time:	1 hour (recoat 2-4 hours) 4-8 hours
Tack Free Full Cure	
VOC Content:	< 600 g/l
A.I.M. Category:	Waterproofing Sealers and Treatments Maximum VOC 600 g/l

TESTING DATA

APPLICABLE STANDARDS	TK-HYDROMAX [®] 2001 PERFORMANCE
ASTM E 96-92: Permeability	0.054 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 D 570-81: Water Absorption	0.38 WT%
ASTM D 4541-93: Bond Strength	340 PSI
ASTM D 522-88: Flexibility	

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 50-63 square feet per gallon (25-32 wet mils = 10-13 dry mils). Typical coverage rate for tight block walls is 45-50 square feet per gallon. Typical coverage rate for poured walls is 63 square feet per gallon. 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[®] 2001 may be reapplied to the affected area.

LIMITATIONS:

- SAFETY PRECAUTIONS: A fitted organic/carbon filter respirator, and appropriate eye protection, must be worn at all times during application of this product.
- The coating must be applied at temperatures between 0°F to 100°F.

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® 2001 is available through TK Distributors. Contact TK Products for the nearest distributor.

Available in Dawn Mist and Stone Gray.

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

FOR PROFESSIONAL USE ONLY

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