

TK-2001 SYNTHETIC RESIN FOUNDATION WATERPROOF COATING

Meets Federal EPA's VOC Requirements

Technical Data



1. PRODUCT NAME

SYNTHETIC RESIN FOUNDATION COATING
TK-2001

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

TK-2001 Synthetic Resin Foundation Coating is a plastic solution formulation intended to dampproof/waterproof poured concrete and concrete block foundation walls above and below grade. It prevents the penetration of water and other chemicals. It is intended to be applied to the exterior of the wall, but can be applied to the interior as a decorative and moisture vapor-retarder coating.

It can be used for residential and commercial foundation walls and cavity walls.

4. TECHNICAL DATA

TK-2001 Synthetic Resin Foundation 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: 46– 47%
- Color: Pearl Gray
- Flash Point: Flammable, less than 100° F.

- Drying Time: 1 hour tack free, recoat 2-4 hours, full cure in 4-8 hours.

Applicable Standards

TK-2001 Synthetic Resin Foundation 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
- 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.
- USDA authorization for use in meat, poultry and food processing plants.

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 prior to application. All previous coatings must be removed.

All masonry block and poured concrete voids, form tie holes, cracks, honeycombed areas should be filled. Footings cleaned. Mortar smears, dirt and form release agents that will affect adhesion should be removed. TK-2001 Synthetic Resin Foundation Coating should be applied directly to the clean dry concrete surface.

Application:

A typical sprayer is 45:1 airless with a .035 – .051 Tip. Brush and/or roller will also work.

Coverage:

One coat is sufficient. 40 sq. ft. per gallon (40 wet mils = 14 dry mils) for block walls and 60 sq. ft. per gallon (27 wet mils = 9 dry mils) for poured walls. Any area that is thin can be recoated.

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.

Limitations:

TK-2001 Synthetic Resin Foundation Coating can be applied at 0° F to 100° F, however, it is recommended that TK-2001 Synthetic Resin Foundation Coating be applied at temperatures above 40° F to assure the substrate is frost free and dry, not frozen.

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-2001 Synthetic Resin Foundation Coating contains flammable solvents. Keep away from heat and flame. Prevent build-up of vapors. Use only with adequate ventilation. Do not breathe 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 or wear an 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. Do not allow vapors to penetrate into foodstuffs. TK-2001 Synthetic Resin Foundation Coating in its cured state is not 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; for skin, wash thoroughly with soap and water. If swallowed, do not induce vomiting. Call 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-2001 Synthetic Resin Foundation Coating is available through TK Distributors. Contact TK Products for the nearest distributor.

Packaged in: 55 gal. drums, 5 gal. pails.

Maintenance

Minimal maintenance is required. If weathering occurs to the exposed area, TK-2001 Synthetic Resin Foundation Coating can be reapplied to the affected area.

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FOR INDUSTRIAL USE ONLY

7. CONDITIONS OF SALE/ LIMITED WARRANTY

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8. TECHNICAL SERVICES

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

9. FILING SYSTEMS

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