



Division of Sierra Corporation
ISO 9001:2008 Certified

TK-HYDROMAX 2003 RUBBERIZED WATER BASE FOUNDATION COATING

Waterproof Coating Meets Federal EPA's VOC Requirements

Technical Data

1. PRODUCT NAME

TK-Hydromax 2003 Rubberized Water Base Foundation Coating

2. MANUFACTURER

TK PRODUCTS
DIVISION OF SIERRA CORPORATION
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3. PRODUCT DESCRIPTION

TK-Hydromax 2003 Rubberized Water Base Foundation Coating is a rubberized latex copolymer formulation intended to waterproof poured concrete, CMU, precast, insulated concrete forms (ICF). It may be used on both residential and commercial 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. TK-Hydromax 2003 Rubberized Water Base Foundation is intended to be applied to the exterior of the wall, but because it is a neutral pearl gray color, it may also be applied to the interior wall as a decorative and moisture/vapor retarding coating.

4. TECHNICAL DATA

TK-Hydromax 2003 Rubberized Water Base Foundation Coating is a single component liquid-applied foundation coating that is non-breathable.

COMPOSITION AND MATERIALS

Rubberized latex copolymer.

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|-----------------------|-------------------------------|
| Non-Volatile Content: | 48 +/- 1% |
| Color: | Pearl Gray |
| Flash Point: | No flash, aqueous system |
| Drying Time: | |
| Tack Free: | 1-4 hours (recoat 8-24 hours) |
| Full Cure: | 24-72 hours |

RESISTANCE TO:

| | |
|--------------------|-----------|
| Abrasion | Good |
| Acid | Good |
| Alkali | Excellent |
| Humidity | Good |
| Petroleum Products | Poor |
| Weather | Good |

APPLICABLE STANDARDS:

TK-Hydromax 2003 Rubberized Water Base Foundation Coating meets or exceeds the following standards:
-ASTM D 96-80 Water Vapor Permeance, water method

-VOC Content: less than 50 grams per liter

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

-A.I.M. Definition: A coating that is 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.

Excessively wide cracks and joints in the ICF forms should be caulked, taped or filled before application of TK-Hydromax 2003 Rubberized Water Base Foundation Coating.

APPLICATION

Apply in a uniform manner by a Graco 7900 airless sprayer at approximately 50 square feet per gallon, making certain to cover and fill all pinholes and seams. Use a 0.037 tip; remove all filters in the spray unit and gun. Although back-rolling is recommended, it is not necessary. If holes or cracks appear, a second coat is required. Do not apply when the temperature is below 45° F.

COVERAGE

Coverage rate is inversely affected by the texture and porosity of the substrate. One coat is sufficient; 45-55 square feet per gallon, or 30-35 wet mil film. This will give a dry film of 12-15 mils. Any area where coverage is thin can be recoated.

The wall can be back filled once the film is 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 2003 Rubberized Water Base Foundation Coating can be applied when the temperature is 45° F or above. Keep the product from freezing.

CLEAN UP OF EQUIPMENT

Clean all equipment, tools and spills with soap and water before the material dries.

PRECAUTIONS

Always review the MSDS before using any product. TK-Hydromax 2003 Rubberized Water Base Foundation Coating contains latex resins and a minimal amount of ammonia. Excessive and prolonged inhalation

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may result in headache, nausea and eye or lung irritation.

FIRST AID

Ingestion: Induce vomiting and call a physician immediately. *Eye Contact:* Do not rub eyes, flush with clean water for 15 minutes. *Skin Contact:* Remove the material by washing thoroughly with soap and water. If eye or skin irritation continues, obtain medical assistance.

For further safety controls, Material Safety Data Sheets are available from TK distributors, the TK office and the TK Website. This information should be read before using this product.

6. AVAILABILITY

TK-Hydromax 2003 Rubberized Water Base Foundation 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 does occur to the exposed area, TK-Hydromax 2003 Rubberized Water Base Foundation Coating can be reapplied to the affected area(s).

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 2003 Performance |
|---|------------------------------|
| ASTM E96 - Permeability | 0.5 Perms |
| ASTM D412 - Tensile Strength and Elongation | 215 PSI, 241% |
| ASTM D 3359-93 - Adhesion | No peeling |