



PRODUCTS

Division of Sierra Corporation

TK-M-176 FORM RELEASE AGENT

Meets Federal EPA's VOC Requirements

Technical Data

1. PRODUCT NAME

TK-M-176 FORM RELEASE AGENT

2. MANUFACTURER

TK PRODUCTS DIVISION OF SIERRA CORPORATION
11400 West 47th Street
Minnetonka, MN 55343
612-938-7223
612-938-8084 (FAX)
e-mail: tkproduct@aol.com
Website: http://www.tkproduct.com

3. PRODUCT DESCRIPTION

TK-M-176 Form Release Agent provides a means of easy release between all types of forms and concrete by the interaction of fatty acids contained in TK-M-176 and the alkalinity of cement. In breaking the bond between form and concrete, the form is left free of mortar residue which can cause defects or voids in the finished slab, as well as causing extra cleanup work on the forms. The concrete is left unstained, ready for paint, seal coats, plaster or other coatings. Paving equipment cleanup is quick, easy and economical.

A rust inhibitor and a wood preservative are blended into the formulation to prevent rust and corrosion on metal forms; and to prevent deterioration of the wooden forms. The coating also acts as a barrier to prevent water in the concrete from being absorbed into the wood forms, robbing the concrete of its necessary content.

Uses:

For wood or metal forms (including aluminum), fiber glass, fiber tubes and plastic forms; also on paving equipment, i.e., spreaders, mixers, scoot-cretes, hoist buckets, trucks, finishers, any metal equipment or tools used in concrete construction.

Metal doors, windows and frames can be pretreated with TK-M-176 before concrete pours to facilitate clean off of the mortar droppings.

Composition and Materials:

TK-M-176 is a blend of fatty acid materials in a petroleum base which interacts with the alkalinity of the cement.

4. TECHNICAL DATA

Flash point: 145°F. to 150°F. TCC.
Color: Amber, clear.
Freezability: Will not freeze.
Applicable standards: NavDock Spec 56359/64 and CE 204.
A.I.M. Category: Form Release Compound, maximum VOC 450 g/l.
A.I.M. Definition: A coating formulated and recommended for application to a concrete form to prevent the freshly placed concrete from bonding to the form. The form may consist of wood, metal, or some material other than concrete.

5. APPLICATION PROCEDURES AND INSTRUCTIONS

TK-M-176 is ready for use, requires no dilution or mixing. DO NOT THIN. The surface must be clean, dry and free of waxes or other form oils.

Method: Use a low pressure sprayer, brush or roller. Apply evenly, brushing out puddles and heavy drips or runs.

New Wood Forms: Apply a heavy coat, then reapply until completely saturated; follow up with a light coat before each use.

Metal forms: Apply before use as needed.

Used forms: Clean off any old scale, rust, mortar or previously used waxes or form oils to assure fault free concrete surfaces, particularly on exposed concrete or architectural concrete surfaces.

Equipment/Tools: Spray daily to soften concrete buildup, provide quick easy cleanup and prevent rust corrosion.

Coverage Rate:

Conditional upon the type of form used and the method of application used. Coverage on wood forms will increase after the initial saturation coat.

Wood Forms (rough lumber)..... 600-800 SFPG
Coated plywood & paper..... 700-1500 SFPG
Metal or Fiberglass..... 1500-1800 SFPG

Avoid puddling or ponding on all forms; wipe or brush out such spots; however, on hot windy days a heavier coating may be necessary. Proper application procedures will assure successful future applications of paint, plaster, etc.

Precautions:

TK-M-176 is a combustible material (contains petroleum distillates) and is shipped under combustible label. KEEP AWAY FROM HEAT SPARKS AND OPEN FLAME. Close container after each use. Do not transfer to unmarked containers or weld or cut on or near container. If used indoors, have adequate ventilation.

First Aid:

Inhalation: Move to fresh air, give artificial respiration if not breathing. GET MEDICAL HELP.

Eye and Skin Contact: Flush eyes with clear water for 15 min., call physician.

Ingestion: DO NOT INDUCE VOMITING. GET MEDICAL HELP.

In Case of Fire:

Use CO2 dry chemical, foam, water spray.

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Spills or Leaks:

Eliminate all sources of ignition. Soak up small spills with absorbent material and dispose of to avoid possibility of spontaneous combustion.

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

6. AVAILABILITY

TK-M-176 is available through TK Distributors. Contact TK Products for the nearest distributor. Packaged in 55, 5 and 1 gallon containers.

7. LIMITED WARRANTY

TK Products, warrants that its products conform to their 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 its products by others and other factors affecting product performance are beyond TK Products' control, TK Products does not guarantee the results to be obtained. SHOULD ANY OF ITS PRODUCTS FAIL TO GIVE SATISFACTORY RESULTS, TK PRODUCTS WILL REPLACE THE PRODUCTS OR, AT ITS OPTION, REFUND THE PURCHASE PRICE. THIS IS THE SOLE AND EXCLUSIVE REMEDY FOR ANY FAILURE OF THE PRODUCTS OF TK 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. See TK PRODUCTS DISCLAIMER section.

8. TECHNICAL SERVICES

The TK office offers assistance with specifications, performance test data, 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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