



# PRODUCTS

Division of Sierra Corporation

# TRI-BOND

Meets Federal EPA's VOC Requirements

## Technical Data

TRI-BOND  
Concrete Bonding Agent

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Concrete Bonding Agent

### 1. PRODUCT NAME

TRI-BOND

**2. MANUFACTURER**  
TK PRODUCTS, DIVISION  
OF SIERRA CORPORATION  
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Minnetonka, MN 55343  
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**3. PRODUCT DESCRIPTION**  
TRI-BOND is a liquid, ready-to-use, high build, reemulsifiable bonding agent used for adhering gypsum plaster and portland cement mixtures to all types of structurally sound surfaces. TRI-BOND dries to a clear film.

TRI-BOND can be used interior or exterior, in areas where it will not be exposed to water or moisture. TRI-BOND can be used to bond new concrete, mortar, stucco, plaster, and other cementitious or gypsum materials to new and old surfaces of wall-board, fiber board, wood, metal, glass, tile, concrete, masonry, or marble. It can be used for bonding terrazzo and stucco.

**Advantages:**

- Non-flammable; no volatile organic solvents.
- High tensile and shear strength.
- It can be applied over damp or dry surfaces.
- Not affected by the alkalinity of plaster or cement.
- Withstands temperatures from 40 to 300°F.
- Thoroughly dried, TRI-BOND is unaffected by humidity or condensation.

### 4. TECHNICAL DATA

TRI-BOND is formulated to be a reemulsifiable bond between new material and the old substrate.

**Properties:**

- Weight per gal. ....9.05 lbs.
- Specific Gravity..... 1.1
- Viscosity..... 68 KU
- Drying Time..... Approx. 1 hour
- Freeze-thaw stability... 5 cycles
- Temp.....-40 to 300°F.
- PH..... 4.5
- Formulated to meet or exceed MIL-B-19235 (DOCKS), and ASTM C-631
- A.I.M. Category: Primers and Undercoaters
- A.I.M. Definition: Primer - A coating formulated and recommended for application to a substrate to provide a firm bond between the substrate and subsequent coatings.
- VOC Content Limit : 350 grams per liter
- VOC Compliant

### 5. APPLICATION PROCEDURES AND INSTRUCTIONS

**Surface Preparation:**

Surface must be structurally sound. Remove dust, rust, laitance, mildew, dirt, oil, grease, wax, forming agents, curing compounds: anything that might adversely affect the bond. When in doubt apply a small test patch of TRI-BOND: allow it to dry thoroughly and check to be sure there is no peeling or curling. Smooth surfaces should be abraded to insure proper adhesion.

**Application:**

Stir TRI-BOND thoroughly before using. Do Not Dilute. Drying time is approximately 1 hour depending upon temperature and humidity. TRI-BOND can be applied by brush, roller, or sprayed. The film should be thin and continuous. Do not allow to puddle in low areas.

IMPORTANT: Allow TRI-BOND to dry (until no longer tacky) before applying wet plaster or cementitious material. Material can be applied up to 3 days later provided the TRI-BOND film is still clean. Cementitious toppings must be minimum 1/2" thick, to obtain maximum adhesion. Use TK-225 BONDING AGENT in the mixing liquid of the new cementitious material.

**Coverage:**

200-300 sq. ft. per gallon depending on the porosity and texture of the surface treated.

**Clean Up:**

Wash tools immediately in clean water after use. Dried material may become difficult to remove.

**Limitations:**

Do not use TRI-BOND where extended periods of moisture are present, i.e.: swimming pools, cisterns or standing water. Do not apply to frozen surfaces or when the temperature is below 40°F. within 4 hours. Keep from freezing. If frozen it should immediately be brought into a warm area. If TRI-BOND can be stirred after thawing into a *smooth* liquid, the bonding qualities have not been impaired.

**First Aid:**

Avoid breathing mist. Avoid prolonged contact with the skin. Wash hands after use. For contact with eye, flush with water and call a physician. If ingested, induce vomiting and call a physician. KEEP AWAY FROM CHILDREN.

For safety controls, Material Safety Data Sheets are available through TK Distributors, the TK Office or the TK Website. This information should be read before using the product.

## 6. AVAILABILITY

TRI-BOND is available through TK Distributors. Contact TK Products for nearest distributor. Packaged in: 55, 5 gallon and 1 gallon containers.

## 7. LIMITED WARRANTY

TK Products warrants that this product conforms to the label descriptions, is free from manufacturing defects, and is fit for the ordinary purposes for which such goods are used. Inasmuch as the use of this product by others and other factors affecting product performance are beyond TK Products' control, TK Products does not guarantee the results obtained. SHOULD THIS 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 THIS PRODUCT 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 uses of this product unless specifically authorized by TK Products in writing. See TK PRODUCTS DISCLAIMER section below.

## 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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## FOR INDUSTRIAL USE ONLY

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