



TK-2110 BRIDGE DECK & CRACK SEALER

Technical Data

Division of Sierra Corporation
ISO 9001:2000 Certified

1. PRODUCT NAME

TK-2110 BRIDGE DECK & CRACK SEALER

-ASTM D638
Tensile Strength: 8563 PSI
Elongation: 2.6%
Youngs Modulus: 769800

2. MANUFACTURER

TK PRODUCTS
DIVISION OF SIERRA CORPORATION
11400 West 47th Street
Minnetonka, MN 55343
952-938-7223
952-938-8084 (FAX)
e-mail: tksales@tkproduct.com
website: <http://www.tkproduct.com>

-ASTM D695
Compressive Strength: 14560 cps
Compressive Modulus: 400,000 PSI

-ASTM D570
Water Absorption: 0.24%

-ASTM D2566
Linear Coefficient of Shrinkage: 0.004%

-ASTM C881
Bond Strength: 2757 PSI

-ASTM 881, Type I, II, IV, Grade 1,
Class B, C & D

5. APPLICATION PROCEDURES AND INSTRUCTIONS

Before using TK-2110 BRIDGE DECK & CRACK SEALER, the Material Safety Data Sheet (MSDS) should be read entirely. Please contact your TK distributor, the TK office or the TK website for this information.

Please note that it is the responsibility of the user to assure proper application by following all preparation, mixing and application guidelines. Jobsite visits by TK representatives are meant as a source of technical recommendation only and do not qualify as project supervision or quality management.

Preparation:

All surfaces must be free from any foreign material. Sandblasting, shot blasting or water blasting methods should be used to remove such materials from existing structures. All cracks should be blown clean by utilizing compressed air. For cracks greater than 1/8" thick, treat individually. Fill wide cracks with a dry silica sand, then apply a small amount of TK-9000 100% EPOXY CRACK FILLER to the crack and disperse with a paint brush.

For best performance, TK-2110 BRIDGE DECK & CRACK SEALER must be applied to a dry surface and in temperatures higher than 50°F. TK-2110 BRIDGE DECK & CRACK SEALER should only be applied to concrete that has been allowed to cure for 14 days or more.

Mixing:

Using a power mechanical mixer, mix part A and part B individually before combining these components together. Pour the entire contents of part B into part A and mix for 2-3 minutes, scraping the sides of the container clean. When mixing multiple kits, mix only the amount of the material that is needed and which will be used within the specified pot life of 30 minutes.

Application:

Immediately pour the entire contents of the **mixed** material onto the surface and distribute with a squeegee or roller; allowing it to pond over cracks. The pot life and working time of the material will be substantially prolonged, up to one hour, by utilizing this application method.

Typical application rate is 100-200 sq. ft. per gallon. This rate can fluctuate depending on the porosity of the substrate, the surface finish, and the amount of cracks in the concrete. Do not over-apply TK-2110 BRIDGE DECK & CRACK SEALER and do not allow tynes in the surface to be filled. Let the material saturate the substrate for 10 minutes. Squeegee the material onto the next surface that is to be sealed and broom any excess material off the surface; sweep any material out of the tynes.

Once this process has been completed for the entire surface area, and before TK-2110 had a chance to cure, broadcast silica sand over the entire area. This top coating of sand over the surface will create a slip resistant finish.

TK-2110 BRIDGE DECK & CRACK SEALER has excellent resistance to abrasion, acids, alkali, petroleum and salt spray.

4. TECHNICAL DATA

- 100% solids
- Color: Clear to Amber (mixed)
- Mixed Viscosity: 124 cps
- Pot Life: 36 minutes at 70°F, 60 gram mass
- Flash Point: Greater than 200°F
- VOC: Less than 1 G/L
- Mix Ratio: 4 parts A:1part B by volume (premeasured kits)

TK-2110 BRIDGE DECK & CRACK SEALER
Concrete Bond & Repair Materials

TK
3&9
PRODUCTS



TK
3&9
PRODUCTS

TK-2110 BRIDGE DECK & CRACK SEALER
Concrete Bond & Repair Materials

If needed, recoat the area within 24 hours of the original application of TK-2110 BRIDGE DECK & CRACK SEALER.

Clean Up:

Clean all tools, equipment and spills with Xylene before the material is allowed to dry. Any dried material that may remain may be removed with an epoxy stripper.

Precautions:

Epoxies and their curing agents can be corrosive and can be the cause of sensitization concerns. Consult this product's Material Safety Data Sheet for health, safety and handling information.

Limitations:

Due to abrasion, TK-2110 BRIDGE DECK & CRACK SEALER is a film that will discolor and wear off the surface in time. However, the cracks that were treated will remain sealed and unaffected. Do not use this product if the current air or substrate temperature is, or will fall below, 50°F within 24 hours of application. Do not mix previously catalyzed material with fresh material.

6. AVAILABILITY

TK-2110 BRIDGE DECK & CRACK SEALER is available through TK distributors. Contact TK Products for the nearest distributor.

Packaged in:

-1-Gallon Kit :

- (Part A) Short filled 1-gallon can
- (Part B) Short filled quart

-5-Gallon Kit :

- (Part A) Short filled 5-gallon pail
- (Part B) Short filled 1-gallon can

-50-Gallon Kit :

- (Part A) Short filled 55-gallon drum
- (Part B) 2 5-gallon pails

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

09/08