

TK-TRI-MIX

Cementitious Concrete Surfacers

Item No. TK-TRI-MIX

PRODUCT DESCRIPTION

TK-TRI-MIX CEMENTITIOUS CONCRETE SURFACER is a dry cementitious concrete surfacer designed to seal, waterproof and color/texturize concrete and masonry substrates. TK-TRI-MIX concrete surfacer is to be used with TK-LIQUID BONDING AGENT 225* for improved bonding, adhesion and cohesion between coats, and for added durability against chemical attack.

Features

- Prevents against infiltration of water or chemicals.
- Fills pores, cracks and voids to permanently bond the surface making it more dense and durable.
- Provides uniform color and texture to make the surface more attractive.
- Works as an alternative to rubbing architectural concrete surfaces to hide defects and blemishes.

USES:

Suitable for interior, exterior, and above or below grade use. Great for vertical, overhead and non-traffic bearing horizontal surfaces. May be applied to a wide range of substrates including: precast and formed concrete, regular and light-weight block, brick, stone, stucco and other concrete/masonry surfaces.

Typical applications include: bridges, parapets, parking garages, tunnels, water tanks, silos, reservoirs, retaining walls, foundations, basements and building walls.

APPLICATION PROCEDURES

PREPARATION:

Existing Concrete - The surface must be structurally sound, free of dust, dirt, paints, oils, grease, laitance, old coatings or form release agents or any other surface contaminants. Because TK-TRI-MIX depends on proper chemical and mechanical adhesion for bonding, the surface should be thoroughly cleaned by sandblasting, shot blasting or high pressure water blasting. Any surfaces possessing a glaze or that are very dense will require mechanical abrasion to attain proper adhesion with this product. All cracks should be cut out and patched and mortar joints that are cracked need to be chipped out and remortared. All honeycombing and voids need to be patched and form ties need to be broken beneath the surface and patched. Walls with water seepage need to have weep holes drilled at floor level and must be drained prior to application.

New Concrete - Fresh concrete should have gained sufficient strength before applying. Depending on the concrete mix used and temperatures during curing, it could be 4-14 days before application is recommended. It is the responsibility of the applicator to ensure that the surface is free of form oils or unhydrated cement that would otherwise interfere with sufficient bonding.

TECHNICAL DATA

Composition and Materials:	A blend of hydraulic cements, lime, pigments, plasticizers, dispersants and finely graded aggregates.
VOC Content:	< 250 g/l
A.I.M. Category:	Flat Coatings, Exterior Maximum VOC 250 g/l
Applicable Standards:	-ASTM C-190 -ASTM C-109 -ASTM C-348 -ASTM C-67 -ASTM C-666

Do not apply if surface or air temperatures are below 40°F or are expected to fall below 40°F within 24 hours of application. Do not apply during rain or when rain is expected before the material has set.

MIXING:

TK-TRI-MIX may either be mixed by hand or may be mixed mechanically using a low speed drill and paddle mixer. Mechanical mixing is the recommended method for most jobs, while a mortar mixer may be used for larger jobs.

Each 50-lb bag of TRI-MIX CEMENTITIOUS CONCRETE SURFACER will require approximately 8-quarts of mixing liquid. To prepare the mixing liquid, combine 1-part TK-LIQUID BONDING AGENT 225* to 3-parts water. In cases of very dense or questionable substrates, or in conditions of hot or windy weather, reduce the mixing liquid ratio to 2:2 or 1:1.

To avoid creating lumps in the powder, be sure to add the powder **to** the mixing liquid when combining. Do so by pouring 2/3^{ds} of the mixing liquid into a clean container and adding the powder while the paddle is turning. Gradually add the remaining mixing liquid until the consistency is similar to that of a heavy (completely blended) pancake batter. Allow the mixture to sit for 5-10 minutes then remix and, if necessary, add additional mixing liquid to achieve the proper consistency. Re-tempering of the mix to extend the pot life is not recommended.

APPLICATION:

Dampen the substrate with potable water before beginning as this will prevent drag on the material and will keep the surface from drawing moisture out of it. In cases of hot or windy weather, the surface should be misted with water frequently during application to prevent early dry out.

Spray application is most cost effective for larger jobs, however TK-TRI-MIX may also be applied by brush when desired. If applying by spray, the first coat should also be brushed into the substrate to fill all voids and pores. Allow the coating to dry for 24 hours before applying the second coat. When applying to masonry substrates, it is necessary to allow 5 days curing before applying a second coat as this will achieve even absorption across surfaces.

Application Note: In the interest of aesthetic value following brushing in of the material, you may want to come across in a horizontal direction as this will make it look uniform.

LIMITATIONS:

- Do not apply to unclean surfaces
- Do not apply to painted surfaces - any paint must be removed
- Do not apply to frozen or frosted surfaces
- Do not apply if surface or air temperatures are below 40°F or are expected to fall below 40°F within 24 hours of application
- Do not apply during rain or when rain is expected before the material has set
- In cases of hot or windy weather, the surface should be misted with water frequently during application to prevent early dry out

FIRST AID:

- Consult this product's safety data sheet for additional health and safety information. Safety Data Sheets are available through TK distributors, the TK office and the TK website.

AVAILABILITY:

TK-TRI-MIX CEMENTITIOUS CONCRETE SURFACER is available through TK distributors. Contact the TK Products office for the nearest distributor.

Available in Pearl Gray, or White by special request.

Packaged in 50-pound bags.

FOR PROFESSIONAL USE ONLY

NOTES

*TK-LIQUID BONDING AGENT 225 must be purchased separately.

02/15 Last Rev. 09/14

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.

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.



TK Products Construction Coatings

11400 West 47th Street Minnetonka, MN 55343

800-441-2129 toll free | 952-938-8084 fax | www.tkproducts.com

Page 2 of 2
TK-TRI-MIX CEMENTITIOUS CONCRETE SURFACER