



TK-COMPLETE CONCRETE PATCH

Meets Federal EPA's VOC Requirements

PRODUCTS

Technical Data

Division of Sierra Corporation

TK-COMPLETE CONCRETE PATCH
Concrete Repair Materials

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TK-COMPLETE CONCRETE PATCH
Concrete Repair Materials

1. PRODUCT NAME:

TK-COMPLETE CONCRETE PATCH

2. MANUFACTURER

TK PRODUCTS, DIVISION
OF SIERRA CORPORATION
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3. PRODUCT DESCRIPTION:

The convenient bucket holds all the essentials necessary to produce a fast-setting, strong, durable concrete patch. Use the bucket to mix the specially blended cement and masons sand with the TK Liquid Bonding Agent. This combination of materials forms a mortar which becomes stronger, more adhesive and more abrasion resistant than simple water mixed mortars. The mortar does not shrink after set, but expands to entirely fill the repair area. Water, grease, oil, salt, or dirt cannot seep in and around the patch creating more havoc with the surrounding concrete.

What's more, this mortar is easy to handle, sets in 30 minutes and does not require a curing compound. Area can be sealed after patch is completely cured out.

4. TECHNICAL DATA

COMPARISON OF MORTAR STRENGTHS* OF WATER MIXED VS. TK LIQUID BONDING AGENT MIXED MORTARS:

Strength	Water	TK
Tensile	235	615
Compressive	2390	5715
Flexural	610	1585
Impact	6	16
Abrasion Resistance +	23.8%	1.15%

* lbs. per sq. in. (PSI)

+ percent weight loss, lower values indicate better adhesion resistance

COVERAGE

For Depth of:	1/4"	1/2"	1"
10# Pail	2 SF	1 SF	1/2 SF
60# Pail	12 SF	6 SF	3 SF
50# Bag	10 SF	5 SF	2 1/2 SF

This mortar can also be placed to greater depths than 1".

*TK Concrete Patch purchased in a 50# bag requires TK-225 Liquid Bonding Agent, purchased separately

-VOC Compliant - this product is compliant because it is not currently being regulated by the EPA.

5. APPLICATION PROCEDURES AND INSTRUCTIONS

Preparation:

Use in temperatures above 32 degrees. Repair area should not be frosty. Keep tools warm in cold weather.

Remove all loose and/or crumbled material. Sweep or air blow to remove as much dust as possible.

Remove grease or oil stains with TK-101 Chemical Cleaner, or other suitable cleaner.

Mixing:

Combine the sand and cement, mixing thoroughly. Pour the TK Liquid Bonding Agent slowly into the dry mix stirring thoroughly blended. The Liquid Bonding Agent provides sufficient moisture for the contents of each kit; however, in some instances (such as spills, or very hot, windy weather), if more liquid is necessary, a SMALL amount of water can be added to make a more workable consistency for application.

To use a partial amount of the contents of this kit, mix two liquid ounces of the bonding agent to approximately one cup of the powder. Another guideline to follow is to mix to a desired consistency, the mortar should be soft, easy to stir, not watery.

Application:

Moisten the patch area with water to prevent patch moisture

being drawn into the dry, surrounding area. Leave no free standing water.

Place mortar into the patch area with a trowel; clean the trowel frequently. Level the patch with trowel and broom finish before set (if necessary). On large areas, use the straight edge of a board or metal to level patch before troweling. DO NOT OVER TROWEL.

Areas repaired with this product can be sealed with TK Concrete Sealer and Protector for added protection.

After mixing the liquid with the powder, under weather conditions, there is a minimum working time of 30 minutes to place, smooth and trowel the patch, before its initial set (mortar forms a top crust and becomes unworkable). During cold, moist weather it may take longer to form this set, Approximately 30 minutes after the initial set, the mortar will become hard to the touch and will be dry approximately one hour later. Thick or deep patches require a longer dry time. Clean tools with water.

6. AVAILABILITY

TK-Complete Concrete Patch is available in 10# pails, 60# pails, and 50# bags*.

* 50# bags need to have TK-225 Bonding Agent bought separately.

7. LIMITED WARRANTY

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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
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