TUFF INDUSTRIAL PRODUCTS®

TECHNICAL DATA
TUFFPATCH MP
PRODUCT #600 - Multi Purpose

PRODUCT DESCRIPTION

TuffPatch MP is a pre-proportioned three (3) component 100% solids, non-shrink epoxy polymer patch kit designed for multi-purposes.

TuffPatch MP may be applied on dry or moist surfaces at temperatures down to 40°F is ideal for interior and exterior applications. TuffPatch MP is a proven performer that contains no VOC's, meets USDA guidelines and provides excellent impact and abrasion resistance along with good chemical resistance for most general applications.

ADVANTAGES

- No patching minimum or maximum depthlimitations
- Meets USDA guidelines
- No offensive odor during installation
- No VOC's
- Non-shrink or expandable formulations
- Protects concrete from attack intrusion ofchemicals, water and other harmful liquids
- Non-flammable
- Can be applied to moist surface (no free-standing water)

LIMITATIONS

- Do not thin with solvents
- Do not apply in presence of free-standingwater

PACKAGING

All TuffPatch™ Kits are packaged in convenient "Pre-Proportioned" 5-gallon pails that include:

- Complete set of instructions
- Epoxy resin parts "A" and "B"
- Appropriate aggregate

COVERAGE

18 sq. ft. at 1/4 inch

PRODUCT APPLICATION

Surface Preparation:
The concrete substrate must be clean, sound and free of dust or standing water. Remove all curing compounds, coatings, loose concrete and debris by abrasive grinding or chipping. For best results, saw cut edges of patch area to a depth of ¼". Where oil or grease build-up is present, the surface must be degreased with a degreaser/emulsifier product to remove oil contaminants. If contaminants continue to exist after repeated cleanings, additional concrete must be removed to reach clean sound substrate material.

Priming the Surface:
After the surface has been properly cleaned and has dried sufficiently, prime the surface with a mixture of neat epoxy resin (Component A and B mixed but without aggregate).
Do this by removing the sand from the five (5) gallon container, then pour both A and B component into five (5) gallon and mix at low speed with a drill and mixing paddle for three (3) minutes. Remove a small portion of the mixed resin and prime the surface to be repaired with the blended mix. Apply using a brush to avoid leaving puddles of resin on the surface. You have a maximum of two minutes to add
the sand.

Patching the Surface:
Slowly blend the pre-measured sand into the remaining mixed epoxy resin. This will slow down the curing rate. Mix materials for two - four (2-4) minutes or until the aggregate is uniformly blended with the resin. Spread the blended mortar mix over the primed surface and compact material to desired thickness. Finish or "close" with a trowel to desired texture. Keep a clean trowel. Clean with mineral sprits.

Temperature Effect:
Material (epoxy/sand), ambient and substrate temperatures impact the working time and overall cure time of the product. For best results, the temperature of the material and substrate should be between 75oF and 85oF. Higher temperatures will decrease the pot l ife, placement time and cure time. Conversely, patches placed at approximately 20oF lower temperature will require twice as long to cure.

Disposal:
Dispose in accordance with local and state regulations.