

Hi-Tek Polymers, Inc., Elgin, Illinois

Hi-Tek Polymers 3000 T Poxy Epoxy Patch

DESCRIPTION: Hi-Tek Polymers 3000T- Poxy Epoxy Patch is a 100% solids, two component epoxy patch. PART A is pigmented and PART B is white. Available in natural, light gray, red and dark gray. Recommended thickness is 1/8" to 1/4". No primer needed.

USES: Recommended usage includes in freezer rooms, cold storage rooms and support bases for tanks and seamless floors in cold utility facilities.

NOT RECOMMENDED FOR- immersion applications for active solvents

APPLICATION: It is important that the liquids be mixed together first. Mix the liquids in an oversized container thoroughly and until streak free. After the liquids are thoroughly mixed, add in the aggregate. Mix in the aggregate with slow speed mixing equipment such as a jiffy mixer or rotating bucket/stationary mixing blade assembly. It is equally important that enough time is spent mixing in the aggregate to insure that the aggregate is thoroughly wetted out. No induction time is necessary. Apply the mixed material at 1/8 to 1/4 inch thickness. Apply the material with a hand trowel or other suitable application equipment. Do not over-trowel the material as this may cause isolated blisters to form. Direct air currents across or above the mortar during the curing process may result in isolated blisters. Maintain temperatures within the recommended ranges during the application and curing process.

Surface Preparation: Applications of non-breathing surface over concrete is vulnerable to high moisture vapor emissions (MVE). This is typically measured with an Anhydrous Calcium Chloride test kit meeting ASTM F-1869 where results are reported in pounds of water per 1,000 square feet per 24 hours. The Rubber Flooring Manufacturers Association (RFMA) has established a "safe" limit of 3 pounds or less. The most current test to evaluate concrete is ASTM F-2170. Results greater than 80% relative humidity in the concrete requires special treatment. Primer is required.

SPECIFICATIONS:

DOT CLASSIFICATIONS:

Part A&C "not regulated"
Part B "CORROSIVE LIQUID N.O.S., 8, UN1760,PGIII"
FLEXURAL STRENGTH:
10,350 psi @ ASTM D790

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COMPRESSIVE STRENGTH:
560 psi @ ASTM D695
TENSILE STRENGTH:
6,030 psi @ ASTM D638
ULTIMATE ELONGATION:
7.30%
IMPACT RESISTANCE:
Excellent
HEAT DEFLECTION TEMP.:
113 degrees F @ ASTM D648
WEATHERING:
Good (chalks)
Mixing Ratio:
2 parts of A to 1 part of B

NOTE: TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE. HOWEVER Hi-Tek Polymers Inc., ASSUMES NO LIABILITY WHATSOEVER FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION CONTAINED HEREIN. THE FINAL DETERMINATION OF SUITABILITY OF ANY MATERIAL IS THE SOLE RESPONSE OF THE USER. ALL MATERIALS MAY PRESENT UNKNOWN HEALTH HAZARDS AND SHOULD BE USED WITH CAUTION. ALTHOUGH CERTAIN HAZARDS ARE DESCRIBED HEREIN, WE CANNOT GUARANTY THAT THESE ARE THE ONLY HAZARDS WHICH EXIST.

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