Hi-Tek Polymers, Inc., Elgin, Illinois 60123

Hi-Tek Polymers 4001 Fill Material

DESCRIPTION: Hi-Tek Polymers 4001 Fill Material is a 100% solids epoxy two component sloping and patching material for leveling surfaces under Hi-Tek 201 T-Poxy Epoxy terrazzo and other epoxy floorings.

USES: Hi-Tek Polymers 4001 Fill Materials may be used for patching mortars to help level low Spots, to repair deteriorating concrete, to fill cutouts for expansion joints, nosing and drains, to patch or fill vertical surfaces. The use of the material is for patches of 1/8" to 4" thick (.24 cm to 10.16 cm) depending on application and aggregate blend

APPLICATION: Hi-Tek Polymers 4001 Fill Material requires a 3 Part of A to a 1 Part of B application. Keep product indoors and do not allow to freeze. Material must be stored in a dry area50º F to 90º F (10º C to 32º C), and away from direct sunlight, flame or other hazards. Proper surface preparation is essential. Steel should be sandblasted to a white metal finish, and concrete should be thoroughly cleaned and dried. Stir both parts thoroughly, mix accurately per mix directions. Hi-Tek Polymers 4001 Fill Material is not designed to be used as a finished flooring system. Sub-floor cracks and proper joint fillers should be applied before leveling the surface. Effective vapor barrier application may be required prior to installation of any leveling material including Hi-Tek Polymers 4001 Fill Material.

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. The surface and air temperatures must be at least 55º F (12º C) during installation and initial cure.

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Technical Data:

Typical Physical Properties-Tensile Strength-ASTM C 307------2,000 psi
Compressive Strength-ASTM C 579-8,000 – 10,000 psi
Flexible Strength-ASTM C 580-3,200 psi
Hardness Shore D-ASTM D 2240 75 – 80

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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