

Solvent Free, Paste Form Epoxy Resin Putty, for Patching of Reinforced Concrete Crack Lines, Honey Combs and Sealing Voids Gap

**High Performance Grade
0.50mm to 20mm Crack Line, with 150,000 cps Viscosity**

Product Description: Epo Putty is very extra high-viscosity epoxy resin putty/grout based on bisphenol-A & containing a reactive diluents. It's two component epoxy resin grout system designed specifically for patching system. When applied with hand or steel trowel equipment of putty/grout and seal cracks in horizontal, vertical and overhead surfaces.

Application: Combined with aliphatic and/or cycloaliphatic amines for formulation bonding properties system.

Used Area Application Bridge Bearing Pad, Machinery Base Plate, Pillars, Beams, Columns Load Bearing, Prefab Concrete, Structural Support Load Capacity and Flooring.

Key Properties Advantages

- * Gap Filling, Non Sagging up to 15.00 mm Thickness
- * Ultra High Shear Strength up to 13.5 N/mm2
- * High Peel Strength (Cleavage Strength) up to 3.5 N/mm2
- * Toughened Putty/Grout
- * Thixotropic
- * Properties of Good Curing, Glass Transition & Clamp Time
- * 4 Design of Flexible or Standard, with Curing Time for Standard, Slow & Fast Putty/Grout

Mechanical Performance of Properties Refer to below 4 grades of properties

			Epo Putty Flex HP	Epo Putty Flex	Epo Putty Std	Epo Putty Std HP
Compressive Strength	25°C [N/mm2]		55 (±3)	48 (±3)	45 (±3)	48 (±3)
Tensile Strength	25°C [N/mm2]		28 (±3)	22 (±3)	25 (±3)	20 (±3)
Elongation at Break	25°C [%]		2.65	2.65	2.65	2.65
Bond Strength	25°C [N/mm2]		< 2.50	< 2.00	< 2.00	< 2.50
Flexural Strength	25°C [N/mm2]		31 (±3)	26 (±3)	27 (±3)	30 (±3)
Traffic Cured	25°C [min]		120	220	220	120
Bonding cured	25°C [min]		35	35	35	35
Viscosity	25°C [mPas]		150000	160000	160000	150000
Abrasion Resistance	[mg]		225	220	220	225
Modulus of Elasticity	[N/mm2]		25000	25000	25000	25000
Service Temperature	[°C]		- 05 °C until Max. 60 °C			
Application Temperature	[°C]		Min. 10 °C until Max. 38 °C			

Mixing Viscosity	Bonding Strength To Concrete/after 7 days at 25° C		
Temperature	68 °F	Dry Concrete	1,200 psi (100% concrete cracks)
Viscosity	150000 cps	Wet Concrete	870 psi (100% concrete cracks)

Surface Preparation

1. Surface to be repaired or sealed must be clean and sound. Concrete must be free of dust, laitence, sealers, grease and other bond inhibiting contaminants.
2. Laying **Epo Putty**, by hand or steel trowel and screeds exhibit a very smooth finish, can be kept in spotless hygienic condition and are of attractive appearance. Screed thickness usually varies from 0.50 to 10 mm thick per each layer.

Mixing:

Supplied as two-component system. Mix materials with low speed drill and paddle for approximately Two - Four (2 - 4) minutes. Insure a thorough mix. Never mix more material than can be used in thirty (30) minutes. Do not apply Epo Putty when ambient or surface temperatures are below 50 °F

Pacing:

1.00 kg, 2.00 kg, 5.00 kg, 10 kg pack or 100 kg pack

Coverage:

10.2 meter/pack/0.8 mm Crack lines

Shelf life

(storage between 2–40°C)

Several years Hazardous decomposition products Carbon monoxide, carbon dioxide (when disposed of in fire) and other toxic gases & vapours

Disposal

Regular procedures approved by Local authorities

The General Term & Conditions

All recommendations for use of our product, whether given by us in writing, verbally, or to be implied from the results of tests carried out by us are based on the current state of our knowledge Notwithstanding any such recommendations the Buyer shall remain responsible for satisfying himself that the products as supplied by us are suitable for this intended process or purpose. Since we cannot control the application, use or processing of the products, we cannot accept responsibility therefor. The Buyer shall ensure that the intended use of the products will not infringe any third party's intellectual property rights. We warrant that our products are free from defects in accordance with and subject to our general conditions of supply.

The above mentioned details Specified key data are individually checked throughout, guarantee, and included in the certificates of Analysis (CoAs). & Typical key data are spot checked, the value are typical for the product and are indicated for information only. The values are not guaranteed or included in the CoAs.



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