

EP Putty

Epoxy Resin Adhesive

Description

EP Putty is a two component solvent free epoxy resin based general purpose bonding putty.

Uses

EP Putty is formulated as an adhesive to bond two rigid elements exposed to sustained loads especially at the bond line.

It is recommended for bonding precast elements, steel plates for strengthening beams, columns and slabs, anchoring bolt, dowels, steel bar in concrete, sealing of cracks, filling gaps, joints and void, bonding injection nipples to concrete surface and as a rapid set adhesive.

Advantages

- Two different coloured components to avoid mixing error.
- Rapid setting
- Excellent bond strength, bond to both dry and damp surface.
- Thixotropic paste, no sag for vertical and overhead applications.
- Resistant to a wide range of chemicals

Typical Properties

Type	: Epoxy / Polyamide
Colour (Base - Part A)	: White
(Hardener - Part B)	: Black
After mixing	: Grey
Density (mixed)	: 1.7 kg/L
Mixing ratio (by weight)	
Base: Hardener	: 2 : 1
Working time @ 30 °C	: 45 mins.

Typical Performance Data

Compressive strength (ASTM C579: 2001 (2012))	: > 70 N/mm ²
Tensile strength (Adopted ASTM D638: 2014)	: > 20 N/mm ²
Adhesion to substrate (ASTM D4541: 2002)	: > 2.5 MPa
Slant shear strength (ASTM C882/C882M: 2013a)	: > 15 N/mm ²
Full cure	: 7 days

Application

Surface Preparation

All grease, oil, chemical contamination, dust, laitance and loose concrete must be removed by wire brush scrubbing or light hammering or such other effective methods to provide a sound substrate.



Priming

Priming is not required.

Mixing

Mechanical mixing is necessary. The total base (Part A) and hardener (Part B) should be thoroughly mixed in the base container until both components are thoroughly blended.

If part mixing is carried out, weigh the part A and Part B in the correct ratio of 2:1 and mix until the mixture is uniform.

Placing

The mixed material should be applied to the substrate within its pot life.

EP Putty can be applied up to 3mm thick without sagging.

Packaging

EP Putty is available in 2kg set.

Cleaning

Use solvent such as acetone to clean tools and equipment immediately after use.

Shelf Life

EP Putty has a shelf life of 12 months when stored in original packing in a cool and dry environment.

Health & Safety

Avoid skin and eye contact. Wear suitable protective clothing, masks, gloves while handling product. Keep away from heat and open flame.

Note:

Use the leaflet as a guide for the use of this product concerned. The information given is in accordance with the latest technical developments. However, we cannot accept responsibility for any work carried out with our materials as we have no control over the method of application used or the condition of the site involved.

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