

EP Putty 21

Epoxy Resin Adhesive

Description

EP Putty 21 is a two part, solvent free high performance epoxy resin adhesive in dual component cartridge.

Uses

EP Putty 21 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

- Accurate resin to hardener in cartridge insure accuracy in application process
- Rapid setting
- Excellent bond strength, bond to both dry and damp surface.
- Resistant to a wide range of chemicals
- Un-used material can keep for later use, zero wastage

Typical Properties

Type	: Epoxy / Polyamide
Colour (Base - Part A)	: White
(Hardener - Part B)	: Black
After mixing	: Grey
Density (mixed)	: 1.7 kg/L
Setting time @ 30 °C	: 20 mins.

Typical Performance Data

(Tested by SIRIM: Report No. 2018CB0439)

Compressive strength (ASTM D095-15)	: > 80 N/mm ²
Tensile strength (ASTM D638-14)	: > 30 MPa
Pull-Off Adhesion strength (ASTM D7234-12)	: > 2.5 N/mm ²
Full cure	: 7 days

Installation parameter for reinforcing bars

Diameter of rebar (mm)	8	10	12	16	20	25	32
Drilled hole diameter (mm)	12	13	15	20	25	30	40
Rebar size	Ø8	Ø10	Ø12	Ø16	Ø20	Ø25	Ø32
Effective embedment Depth (mm)	80	100	120	160	200	250	300



Packaging

EP Putty 21 is available in 400ml cartridge. Packed in box of 10 cartridges with 2 disposable static mix heads for each cartridge. The manual dispensing gun available separately.



Cleaning

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

Shelf Life

EP Putty 21 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.

Last updated by KH/APR 2018

