EP 2122 Epoxy Putty
Technical Data Sheet

Description

EP 2122 Epoxy Putty is a high quality structural adhesive filler based on epoxide resins, and was developed as a fast curing grade of EP 2132/C. This product has a wide temperature range and has considerable advantages in respect of low temperature applications and reduced inspection.

Appearance

The resin component is burgundy in colour and the hardener component is toffee in colour.

Applications

Cable joint sealing and filling (BASEEFA Approved).
General purpose adhesive and stopping compound.
Model and mould making.

Processing

EP 2122 is supplied as a two part system, equal parts of the resin and hardener components are mixed by kneading in the hands until an even colour is achieved. This can be best achieved by rolling and folding.

Handling Precautions

EP 2122 is intended to be mixed by hand, however all putties of this type are manufactured from reactive chemicals which can cause skin irritation especially to those people with a history of chemical allergy. Whilst these products have been used safely in industry for over 25 years we would recommend the use of gloves or a barrier cream.

Usable Life

This will depend upon the bulk mass and temperature. Approximate figures are;

10 to 50 g wgt:	20 to 30 mins @ 20 to 30 ^{o}C.
50 to 500g wgt:	15 to 20 mins @ 20 to 30 ^{o}C.

Cure

This will depend on the size of the mass. Approximate figures are;

To hard mass:	3 to 4 hours @ 20 to 30 ^{o}C.
For optimum properties:	12 to 24 hours @ 20 to 30 ^{o}C.

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Mechanical Properties of Cured Mix

Tensile strength BS 2782/301A:	Min. 25 Mpa
Compressive strength BS 2782/303A:	Min. 65 Mpa
Hardness:	85 shore D
Specific Gravity @ 20 ^{o}C.:	1.70 to 1.85

Electrical Properties of Cured Mix

Dielectric strength:	400 V/mil
Insulation resistance:	500 V

Resistance Properties of Cured Mix

Water absorption BS 2782/502S:	0.001%
Temperature:	-60 to 150 ^{o}C.

Storage

The resin and hardener components are supplied in plastic pouches, and should be stored at a temperature of between 5^{o}C and 25^{o}C. Storage at higher temperature in particular, is likely to result in faster degradation in performance, and shorter shelf-life.

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