

PRODUCT SPECIFICATION SHEET: REPCO 3302 EPOXY REPAIR PASTE

PRODUCT DESCRIPTION

RepcO 3302 Epoxy Repair Paste is a two component, high performance, solvent free epoxy repair system for use on metallic substrates. The product is ideal for applications where only minimal surface preparation can be carried out.

TYPICAL APPLICATIONS

Suitable for rebuilding corrosion pitting on metallic surfaces such as internal and external of storage tanks, pipelines, ships hulls, offshore decking.

GENERAL PRODUCT INFORMATION

Appearance

Base: Dark Brown Paste
Activator: Light Brown Paste
Mixed: Dark Brown Paste

Mixing Ratio

By weight 1:1
By Volume 1:1

Density

Base 1.60
Activator 1.60
Mixed 1.60

Volume Capacity

625cc/kg

Solids content

100%

Slump Resistance

Nil at 2.0 cm

Coverage

1kg (2.2lb) of fully mixed product will give the following coverage rates –

0.625m ² at 1mm	6.7ft ² at 40mil
0.313m ² at 2mm	3.3ft ² at 80mil
0.208m ² at 3mm	2.2ft ² at 1/8"

Please note that the coverage rates quoted are theoretical and do not take into consideration the profile or condition of the surface being repaired.

Cure Times

The applied material should be allowed to harden for the times indicated below before being subjected to the times indicated.

Usable life

10°C	60 minutes
20°C	30 minutes
30°C	15 minutes
40°C	7.5 minutes

Touch Dry

10°C	12 Hours
20°C	6 Hours
30°C	3 Hours
40°C	1.5 Hours

Hard Dry

10°C	48 Hours
20°C	24 Hours
30°C	12 Hours
40°C	6 Hours

Full Cure

10°C	4 Days
20°C	2 Days
30°C	1 Day
40°C	12 Hours

MECHANICAL PROPERTIES

Adhesion

Tensile Shear when tested in accordance with ASTM D1002 on abrasive blasted mild steel with a 75 micron profile will typically be:

148kg/cm² 2,100 psi

Pull Off dolly adhesion tested in accordance with ASTM D 4541 on abrasive blasted steel with 75 micron profile

244kg/cm² 3,480 psi

Mechanically prepared mild steel to ST2
115kg/cm² 1,640 psi

Compressive strength

When tested in accordance with ASTM D 695:

735kg/ cm² 10,450psi

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Flexural Strength

When tested in accordance with ASTM D790

298kg/cm² 4,250psi

Hardness

Rockwell R

Tested to ASTM D785 typical value will be: 85

HEAT RESISTANCE

Heat Distortion

Tested to ASTM D648 at 264psi fibre stress.

20°C Cure 58°C

100°C Cure 98°C

Heat Resistance

Suitable for long term water immersion at temperatures up to 70°

Resistant to dry heat up of 150°C dependent on load.

CHEMICAL RESISTANCE

Once fully cured the product resists attack by a wide variety of inorganic acids, alkalies, salts (salt water) and organic media. The product is also resistant to mineral oils, lubricating oil and a wide range of hydrocarbons. For further information please refer to the chemical resistant chart or a technical representative.

TECHNICAL SUPPORT

Zoom Corrosion Technology offer complete technical support and assistance, from discussing application requirements to training approved local contractors. For further information please contact a REPCO representative or your nearest REPCO authorised dealer.

HEALTH AND SAFETY

Please refer to the product safety data sheet for detailed information on handling, storage, shipping and disposal.

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