RESIMETAL 106 Metal Repair Paste XF

Resimetal 106 Metal Repair Paste XF is a two component fast curing solvent free epoxy metal repair paste. The product has been designed for use on a wide range of surfaces including substrates under water and is tolerant of less than ideal surface preparation.

Typical applications

Suitable for emergency repairs to worn surfaces, damaged pump shafts, cracked pump casings, leaking tank seams and cracked engine blocks.

Characteristics

Appearance

Base:	Black Paste
Activator:	White Fluid
Mixed:	Light Grey Paste

Mixing Ratio

By weight:	1:1
By volume:	1:1

Density

Base:	1.8
Activator:	1.8
Mixed:	1.8

Volume Capacity

555cc/Kg

Solids content

100%

Slump Resistance

Nil at 20mm

Useable Life

10°C	10 minutes
20°C	5 minutes
30°C	2.5 minutes

Coverage

1Kg will cover 0.55 sq metres at a nominal thickness of 1mm.

Cure Times

Once hardened, material should be left for the following periods of time at 20°C before being subjected to the conditions indicated. These times will be doubled at 10°C and halved at 30°C.

Movement without load or immersion	45 mins
Machining and light loading	90 mins
Full loading	4hours
Immersion	8 hours

Storage life

5 years if unopened and stored in normal dry conditions (15-30°C)

Mechanical Properties

Adhesion

Tensile Shear to ASTM D1002 on abrasive blasted mild steel with 75 micron profile

185kg/cm² 2630psi

Compressive strength

Tested to ASTM D 695

185kg/ cm² 2630psi

Corrosion Resistance

Tested to ASTM B117

Minimum 5000 hours

Lap Shear

Tested to ISO 4587

240kg/cm² 3400psi

Hardness

Rockwell R to ASTM D785

85

Heat Distortion

Tested to ASTM D648 at 264psi fibre stress.

20°C Cure	60°C

Heat Resistance

Suitable for long term water immersion at temperatures up to 60°C.

Resistant to dry heat in excess of 130°C dependent on load.

Chemical Resistance

The product resists attack by a wide variety of low concentration inorganic acids, alkalies, salts and organic media. Refer to the Resimac Technical Centre for advice.

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Product Specification

Quality

All Resimac Products are supplied under the scope of the company's fully documented quality system.

Warranty

Resimac warrants that the performance of the product supplied will conform to the typical descriptions quoted within this specification provided material is stored correctly and used according to the procedures detailed in the Technical Data Sheet for the material.

Health and safety

Please ensure good practice is observed at all times during the mixing and application of this product. Protective gloves and other recommended personal protective equipment must be worn during the mixing and application of this product. Before mixing and applying the material please ensure you have read and fully understood the detailed Material Safety Data Sheet

Legal Notice: The data contained within this Product Specification is furnished for information only and is believed to be reliable at the time of issue. We cannot assume responsibility for results obtained by others over whose methods we have no control. It is the responsibility of the customer to determine the products suitability for use. Resimac accepts no liability arising out of the use of this information or the product described herein.

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