



301 EPOXY RESIN AND HARDENER

- Two components
- Solvent free Epoxy
- 2 to 1 mixing ratio
- Good chemical resistance
- Excellent impact resistance
- High temperature resistance

DESCRIPTION

Resimetal - 301 Epoxy Resin and Hardener is a high performance, two pack, solvent free epoxy rebuilding system for use in conjunction with a range of materials and fabrics. Resimetal 301 Resin and Hardener when used with either glass tape, glass matt, chop strand matt or linen scrim can be used for repairs to the following equipment-

- Leaking pipework 1" to 36"
- Leaking tank seams
- Holed pump casings
- Leaking valve casings
- Leaking flange faces

SURFACE PREPARATION

The following surface preparation guidelines must be followed for optimum performance

- All Oil and Grease removed using a suitable Resimetal cleaner
- Use a cleaner which does not leave a residue such as Methyl Ethyl Ketone
- All loose material, rust & coatings must be removed using either a wire brush, mechanical grinder or by abrasive blasting
- Abrasive blasting minimum surface preparation level of Swedish standard SA 2.5, angled grit, minimum 75 micron profile
- Ensure all blasted surfaces are de-greased using a suitable Resimetal cleaner

PLEASE NOTE: The better the surface preparation the longer lasting the repair. Wire brush surface preparation should only be used for emergency repairs or when suitable mechanical equipment is not available.



MIXING AND APPLICATION

Resimetal - 301 Epoxy Resin and Hardener is a two component system which must be mixed together prior to application.

- Pour all of the activator component into the base tin
- Mix the two components together until they are streak free
- Apply the mixed material to the prepared surface using a brush
- Ensure that the mixed material is pressed into any holes or cracks

PLEASE NOTE: For more information on using Resimetal 301 Epoxy Resin and Hardener in conjunction with either glass tape, glass matt, chop strand matt or linen scrim please refer to the Resimetal marine or industrial repair kit manuals.

TECHNICAL DATA

Resimetal - DRYING AND CURING TIMES (AT 20C)	
Usable life	25mins
Touch dry	120 mins
Hard dry	16 hrs
Overcoating time	120 mins
Max overcoating	24 hrs
Full cure	5 days
Volume solids	100%
VOC	0
Resimetal Mixing Ratios	
Base 2	Activator 1 by volume
Physical Performance	
Tensile Shear Adhesion	598kg/cm ² (900psi)
ASTM D1002	
Compressive Strength	1034kg/cm ² (14,500psi)
ASTM D695	
Flexural Strength	912kg/cm ² (13,600psi)
ASTM D790	



Health and Safety

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

Please speak to the Resimetal Technical Centre if you require further technical information or clarification.

LEGAL NOTICE

The data contained within this Technical Data Sheet 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. Metabond accepts no liability arising out of the use of this information or the product described herein.

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