



203 SUPER FLOW CERAMIC REPAIR FLUID

- Two components
- Solvent free Epoxy
- Ceramic enhanced
- 2 Colour System
- Good chemical resistance
- Ideal for fluid flow environments
- Super smooth finish
- Improves flow efficiency

DESCRIPTION

Resimetal - 203 Super Flow Ceramic Repair Fluid is a high performance, two pack, solvent free epoxy resurfacing system ideal for use on metallic surfaces or substrates rebuild using Resimetal 201 Ceramic Repair Paste. Resimetal 203 Super Flow Ceramic Repair Fluid is ideal for repairs to worn or damaged components and equipment in a fluid flow environment including -

- Worn impellers
- Damaged valves
- Eroded separator housings
- Damaged pump casings
- Eroded/corroded end plates
- Eroded pipe work
- Eroded propellers
- Corroded water boxes

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 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
- All surfaces must be coated before any oxidation takes place

PLEASE NOTE: For salt contaminated surfaces the area must be blast cleaned as mentioned above and left for 24 hours to allow any ingrained salts to seat to the surface. After 24 hours wash the surface of the substrate and re blast to Swedish standard SA2.5, angled grit minimum 75 micron profile



MIXING AND APPLICATION

Resimetal - 203 Super Flow Ceramic Repair Fluid is a two component system which must be mixed together prior to application

- Pour all the activator into the base container
- Mix the two components using the spatula provided until the material is streak free
- Apply the mixed material to the prepared surface using a short bristle brush
- Apply a second coat of material

TECHNICAL DATA

Resimetal - DRYING AND CURING TIMES (AT 20C)	
Usable life	40mins
Initial set	120 mins
Overcoating time	2hrs
Full cure	6 days
Volume solids	100%
VOC	0
Theoretical coverage rate	2.7sqm per kg @ 250 microns
Recommended film thickness	
Wet	250 microns
Dry	250 microns
Resimetal Mixing Ratios	
Base 2 Activator 1 by volume	
Base 5 Activator 1 by weight	
Physical Performance	
Tensile Shear Adhesion	187kg/cm ² (2500psi)
ASTM D1002	
Compressive Strength	735kg/cm ² (10,000psi)
ASTM D695	
Shore D Hardness	85
ASTM D785	



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. Resimetal accepts no liability arising out of the use of this information or the product described herein.

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