RESIMETAL 103 Metal Repair Stick

Resimetal 103 Metal Repair Stick is a two component repair material in stick form which cures rapidly at room temperature after mixing. It is a metal repair adhesive which develops high mechanical strength in a short period of time.

Typical Applications

Suitable for emergency repairs to pump casings, leaking pipes, leaking tank seams, damaged flange faces, stripped threads and cracked engine blocks.

Surface Preparation

All oil and grease must be removed from the surface of the repair using an appropriate cleaner such as MEK.
The material is suitable for application to manually prepared surfaces such as hand wire brush, sanding, mechanical grinding or wire brush. All loose material such as rust or flaking paint must be removed prior to the application of this product.

Mixing and Application

The product is supplied in stick form and therefore the base and activator component are premeasured. Simply break off the required amount of material from the stick and using gloved hands knead the product until the black and grey components become a consistent mid grey. The product once fully mixed has a usable life of 3-5mins at 20°C.

Once a consistent mix has been achieved apply the material by pressing the putty onto the prepared surface.

Cure Times

At 20**°C** the applied materials should be allowed to harden for the times indicated below before being subjected to the conditions indicated. These times will be extended at lower temperatures and reduced at higher temperatures:

Usable Life	5mins
Hard Dry	30mins
Machining and light loading	30mins
Full loading	1 hour
Immersion	1 hour

Over-coating times

Minimum - the applied material can be over-coated as soon as it is touch dry.
Maximum - the over-coating time should not exceed 3 hours.
Where the maximum over-coating time has been exceeded the surface should be abraded and cleaned.

Storage Life

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

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Technical Data Sheet

Technical data and Performance

Compressive Strength ASTM D695	5000psi
Tensile Shear Adhesion ASTM D1002	650psi
Flexural Strength ASTM D790	3250psi
Hardness Rockwell R ASTM D785	85
Corrosion Resistance (ASTM B117)	5000 hours

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.

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

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