

RAPID SETTING SUPER METAL REPAIR PASTE

ThistleBond

A Division of E. Wood Ltd., U.K.



ThistleBond 'Rapid Setting Super Metal Repair Paste' is a high performance rapid curing metal engineering grade repair compound specifically developed for rapid turn round of metal repairs where excellent mechanical strength and easy machining properties are required. This product is formulated on a complex blend of polyether and polyester urethane resins combined with a polyamine catalyst curing system reinforced with a phosphor steel alloy which enhances corrosion and chemical resistance of the whole system.

ThistleBond 'Rapid Setting Super Metal Repair Paste' can be applied to any damaged metal component as well as glass, fiberglass and other composites and is ideal for rapid repairs to pipes, tanks, radiators, threads, sumps, casings and ducting. The rapid curing time of 3 minutes and specialized property of bonding on wet or oily surface of this product facilitates to attend repairs on-site instantly. Apart from superior mechanical properties, 'Rapid Setting Super Metal Repair Paste' has excellent chemical corrosion resistance (Test of SALT FOG passed for 5000 hours) which ensures a full proof repair in any working condition.

By using 'PlasSteel' handy pack of 0.125 kg in combination with 'Rapid Setting Super Metal Repair' of 0.175 kg, an effective, instant and permanent solution can be obtained for Transformer Oil Leakages.

SURFACE PREPARATION & APPLICATION PROCEDURE

Remove thick deposits like grease, rust, dust, dirt and make surface rough enough and clean with ThistleBond 'Cleaner'.

Mix Resin & Hardner in 1:1 ratio by volume and mix thoroughly till single colour consistency appears and apply over prepared surface by pressing action. Ensure full adhesion of material to substrate. Smooth the surface as per dimensions. This can be machined after full cure.

This handy 'Rapid Setting Super Metal Repair Paste' supplied in 0.175 kg pack makes the repairs In-Situ without wastage and gives an economical solution to field problems.

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PHYSICAL PROPERTIES

Flexural Strength	500 kg/cm ²
ASTM D790	(7100 psi)
Compressive Strength	860 kg/cm ²
ASTM D695	(12200 psi)
Tensile Shear Adhesion	175 kg/cm ²
ASTM D1002	(2500 psi)
Heat Distortion	52 °C
ASTM D648	
Hardness (Shore D)	80
ASTM D2246	
Corrosion Resistance	5000 hours
ASTM B117	unaffected

PHYSICAL CONSTANTS

Mixing Ratio	Resin	Hardner
By volume	1	1
Appearance	Resin	Hardner
Paste	Black	White
Drying Time @ 20°C		
Usable Life	3 Minutes	
Initial Set	10 Minutes	
Machining	30 Minutes	
Volume Solids	100%	
VOC	Nil	
Operating Temperature	Maximum	Continuous
Dry Heat	250 °C	120 °C
Wet Heat	120 °C	70 °C
Shelf Life	1 year	

CHEMICAL RESISTANCE *

Transformer Oil	Excellent
Hydrochloric Acid 0-10%	Good
Hydraulic Oil	Excellent
Diesel Oil	Excellent
Liquid Petroleum	Excellent
Nitrous Oxide	Excellent
Sulfuric Acid 0-10%	Good
Sulphur Dioxide	Good
Sea Water	Excellent

SUPPLY INFORMATION

Stock No : TRK19065

Description : Rapid Setting Super Metal Repair Paste

Pack Size : 2 x 0.175 kg

* for further information see Chemical Resistance Chart

RECOMMENDED APPLICATIONS

- Arresting oil leakages from transformer flanges, gaskets, bolts, bellcovers and valves
- Arresting of oil leaks from tanks, sumps or oil filled equipment and water leakages, in submerged conditions
- Repairing of threaded portions and scorings
- Repairing of castings, worn threads, ducting and pump casings
- On line arresting of water leakages from flanges and pipes

Distributor catering to your needs



25/34, New Jagnath Plot,
Rajkot - 360 001 (Gujarat) India.
Phone : +91-281-2460162, 2467521
Fax : +91-281-2465430
E-mail : info@procoat-india.com
Website: www.procoat-india.com