METAL REPAIR Compound

Solvent free, epoxy putty containing non-rusting metallic fillers

Product Overview

ROCOL® METAL REPAIR Compound is a steel reinforced epoxy putty containing non-rusting metallic fillers for use as a solvent free repair compound throughout industry.

ROCOL METAL REPAIR Compound is a permanent repair compound which bonds to a wide range of substrates, including dissimilar metals, and is ideal for filling cracks, holes etc.

Typical Applications

ROCOL METAL REPAIR Compound is designed for use as a fast, permanent repair for items manufactured from ferrous metals, aluminium and other metallic substrates.

ROCOL METAL REPAIR Compound can be used to repair castings, valve and pump components, shafts, keyways, bearings, pipes, flanges, tanks, housings or any cracked, broken or worn equipment.

ROCOL METAL REPAIR Compound is not intended for structural repair.

Features and Benefits

- ROCOL METAL REPAIR Compound has a wide temperature range from -40°C to +150°C.
- It is simple and convenient to use and adheres to most metallic substrates.
- ROCOL METAL REPAIR Compound is resistant to hydrocarbons, ketones, alcohols, esters, halocarbons, aqueous salt solutions, dilute acids and caustics.
- ROCOL METAL REPAIR Compound holds in 5-10 minutes is usable after 60 minutes, with a full cure after 24 hours.

Directions for Storage and Use

- Surfaces should be clean and free from oil, grease, dust and dirt. Adhesion will be improved if the surface is roughened.
- Wear lightweight disposable gloves. Break or cut off the required amount. Use at least ¼ of the stick for best results.
- Twist and knead until a uniform consistency and colour is achieved. Some heat may be felt.
- Do not exceed two minutes when kneading and then immediately apply to the substrates working it in to the cracks or holes to be filled.
- Remove excess material before it hardens. This can be done with a tool wetted with clean water.
- On wet or damp surfaces the compound should be worked forcefully into the application area and held in place until adhesion begins. The compound should not be held in place by hand as heat is generated during the curing process.
- The compound will begin to set after 5-10 minutes.
- Usable strength is achieved after 60 mins and the compound can then be drilled, sanded, tapped, threaded or filed. A full cure will be achieved after 24 hours.
- The storage temperature should be controlled between +8°C and +28°C.
- Shelf life is 1 years from date of manufacture.

Pack Sizes

Pack Size	Part Code
56g	64012

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Technical Data

Performance you can trust

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Property	Test Method	Result
Appearance	Visual	Grey putty
Base Type	N/A	Epoxy resin
Solids	N/A	Non-rusting metallic fillers
Shore D Hardness		80
Compressive Strength		80 N/mm^2
Dielectric Strength		300 V/mm
Electrical Resistance		30,000 MΩ
Lap Shear Strength on Steel		6.2 N/mm^2
Volume fill per 56g stick	N/A	Approximately 34 cu cm
PROPERTIES DURING APPLICATION:		
Temperature Range		+4°C to +43°C(during application)
Working life		3 minutes at 20°C
Initial Set	N/A	5-10 minutes
Usable Strength	N/A	60 minutes at 20°C
Full Cure		24 hours at 20°C
PROPERTIES WHEN FULLY CURED:		
Temperature Range: Continuous use	N/A	-40°C to +120°C (when cured)
Temperature Range: Intermittent use	N/A	-40°C to +150°C (when cured)

Values quoted above are typical and do not constitute a specification.

Safety Data Sheets

Safety data sheets are available for download from our website www.rocol.com or may be obtained from your usual ROCOL contact.

The information in this publication is based on our experience and reports from customers. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility.

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