

RESIMETAL 104 Metal Repair Fluid XF – fast curing solvent free epoxy fluid for oily surfaces

Resimetal 104 Metal Repair Fluid XF is a fast curing two component solvent free epoxy. The product has been designed for use on a wide range of metallic surfaces where surface preparation is restricted and where the surface is contaminated with oil or grease.

- Apply to hand tool prepared & mechanically cleaned surfaces
- Bonds to oily/grease contaminated surfaces
- Rapid curing – hard dry in 45mins

Typical Applications

Suitable for emergency repairs or part of planned maintenance to equipment such as damaged flanges, leaking tank seams and pipe work.

Ideally suited for the repair and resurfacing of transformers where weeping or leaking oil is contaminating the repair surface.

Surface Preparation

Metallic Substrates – Hand tools

1. Wipe away any ponding oil or grease using a solvent wipe.
2. All surfaces must be cleaned using wire brush, metal file, coarse sandpaper etc.
3. Once abraded, the surface must be cleaned with solvent to ensure as much oil and grease is removed.

Metallic Substrates – Mechanical tools

1. Wipe away any ponding oil or grease using a solvent wipe.
2. All surfaces must be mechanically abraded using handheld grinders to **ISO 8501/4 ST2 (SSPC SP3 ST2)**.
3. Once abraded, the surface must be cleaned with solvent to ensure as much oil and grease is removed.

Mixing

Prior to mixing please ensure the following:

1. The base component is at a temperature between 15-25°C (60-77°F).
2. The ambient & surface temperature is above 5°C (41°F).

Once these 2 checks have been met, please proceed with mixing the product.

If part mixing the unit of material please follow the instructions below:

1. Using the spatula provided place 1 equal measure from the base & activator units onto the mixing board provided.
2. Ensure to clean the spatula thoroughly after measuring the base component and before measuring the activator component.
3. Mix the 2 components together until you have a streak free mix (mid grey) on the mixing board.
4. Ensure there is no unmixed material on the spatula or mixing board.

From the commencement of mixing, the material should be used within 5 minutes at 20°C (68°F).

Application

1. Using a spatula or applicator tool, apply the material to the prepared surface.
2. Ensure the product is pressed into any holes, scars or cracks.
3. Once the repair has been completed smooth off any imperfections using a gloved hand.

Coverage Rates

200gm (0.44lb) of fully mixed product will give the following coverage rates –
0.111m² at 1mm 1.2ft² at 40mil

800gm (1.76lb) of fully mixed product will give the following coverage rates –
0.444m² at 1mm 4.75ft² at 40mil

Please note that the coverage rates quoted are theoretical and do not take into consideration the profile or condition of the surface being repaired.

Cure Times

At 20°C (68F°) 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	45 mins
Full cure	4 hours

Pack Sizes

This product is available in the following pack sizes –
200gm (0.44lb), 800gm (1.76lb)

Colour

Mixed material - Mid grey
Base component – Black
Activator component – White

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 4 hours.

Where the maximum over-coating time is exceeded, the material should be allowed to harden before being abraded to remove surface contamination.

Storage Life

5 years if unopened and store in normal dry conditions (15-30°C/ 60-86°F)

Other Technical Documents

Quick Application Guide	-	Hand application
Safety Data Sheets	-	Base & Activator components
Product Specification Sheet	-	Technical Performance Information

Health and Safety

Please ensure good practice is observed at all times. Protective gloves, goggles & a disposable coverall must be worn during the mixing and application of this product. Before mixing and applying the material ensure you have read the fully detailed 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 if the product is suitable for use. Resimac accepts no liability arising out of the use of this information or the product described herein.