

MAXMET 400 5-MINUTE EPOXY REPAIR & RESURFACING FLUID

Description **MAXMET 400** is a fast curing two component solvent free epoxy resurfacing and repair fluid. The product has been formulated for use on metallic surfaces where surface preparation may be restricted, or the surface is contaminated with oil or grease

Applications

- Filling pitting corrosion on storage tanks
- Anti-slip systems on steel decks
- Anti-slip system for step nosing's
- Sealing transformer leaks

Surface Preparation Steel

Damaged components or equipment – ideal surface preparation for this material is abrasive blast cleaning to ISO 8501/4 Standard SA2.5 (SSPC SP10/ NACE 2) and with a minimum blast profile of 75 microns using an angular abrasive. However, this product has been designed for surfaces with less than ideal surface preparation.

Hand tools use a wire brush or coarse sand paper to abrade the surface. Ensure all loose material and as much surface contamination is cleaned from the surface.

Ensure the surface is wiped with an appropriate solvent cleaner such as MEK prior to and after abrading the surface.

Mechanical tools use a handheld mechanical grinder with a coarse grinding pad or rotary wire brush. Ensure all loose material and as much surface contamination is cleaned from the surface.

DO NOT POLISH THE SURFACE, ENSURE THAT THE SURFACE HAS A CROSS HATCH PATTERN.

Ensure the surface is wiped with an appropriate solvent cleaner such as MEK prior to and after abrading the surface.

Leaking transformer surfaces – to repair a weeping/ leaking transformer surface mixed fluid must be applied within 10-15 seconds of the surface being cleaned.

DO NOT ABRABE THE SURFACE WITH ANY MECHANICAL TOOLS.

If possible, use a wire brush to take off any loose corrosion or coating, then wipe the surface with a solvent wipe and take away as much excess oil as possible.

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Mixing

Warm the Base component to 15-25°C before mixing and do not apply when the ambient or substrate temperature is below 5°C or less than 3°C above dew point. Mix both Part-A and part-B together in full units as supplied.

For small quantities use a mixing ratio of:

1:1 by volume or **1:1** by weight

When mixing both materials, it is very important to have a uniform grey fluid that is streak free. Once mixing is complete, use the mixed paste as soon possible after mixing.

Application

Damaged components and equipment repairs – Using a brush or applicator tool, apply the material to the prepared surface, ensuring the product is pressed into any scars or cracks and profile the repair to a smooth finish. If required, the product can be used in conjunction with reinforcement tape and used to wrap round leaking pipe work.

Leaking transformer surfaces – Use the applicator tool provided to scrape the mixed material off the mixing board, apply **MAXMET 400** Resurfacing Fluid onto the surface, press the material onto the weeping/ leaking surface. Apply the material to a target thickness of 3mm. Do not overwork the material on the repair surface. Once in place on the repair surface allow to cure for 20-30 mins.

Coverage

1kg unit of mixed product will cover 0.44 sq metres at a nominal thickness of 1.0mm

Over-Coat Times

Minimum – the applied material can be over-coated as soon as it is touch dry.

Maximum – over-coating time **4 hours**.

Where the maximum over-coating time is exceeded, the material should be allowed to harden before being abraded, or flash-blasted and solvent washed to remove any surface contamination

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**Pot Life @
20°C**

20 - 25 minutes

**Health and
Safety**

Please ensure good practice is always observed 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.

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