

RESIMETAL 206 Ceramic HTA Fluid – solvent free epoxy novolac coating for high temperature immersion in acids

Resimac 206 Ceramic HTA Fluid is designed to protect equipment operating in contact with acids and highly aggressive chemicals at elevated temperatures. The coating once fully cured is capable of withstanding temperatures up to 110°C (230°F) in continuous immersion in sulfuric acid & hydrochloric acid.

- Apply to abrasive blast cleaned surfaces
- Resists up to 110°C (230°F) in continuous immersion conditions
- Applied by brush in 2 coats

Typical Applications

condensate extraction pumps
distillation unit
scrubber units

return tanks
evaporators

calorifiers
heat exchangers

Surface Preparation

Metallic Substrates – Abrasive blast cleaning

1. All oil and grease must be removed from the surface using an appropriate cleaner such as MEK.
2. All surfaces must be abrasive blasted to **ISO 8501/4 Standard SA2.5 (SSPC SP10/ NACE 2)** minimum blast profile of 75 microns (3mil) using an angular abrasive.
3. Once blast cleaned, the surface must be degreased and cleaned using MEK or similar type material.
4. All surfaces must be coated before gingering or oxidation occurs.

PLEASE NOTE: For salt contaminated surfaces the substrate must be pressure washed with clean water and checked for salt contamination, please refer to the surface preparation and pre-application guide for further information.

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 10°C (50°F).
3. The ambient & surface temperatures are not less than 3°C (6°F) above the dew point.

Once these 3 checks have been met, please proceed with mixing the product.

1. Transfer the contents of the Activator unit into the Base container.
2. Using the spatula provided, mix the 2 components until a uniform material free of any streaks is achieved.
3. From the commencement of mixing the whole of the material should be used within 35 minutes at 20°C (68°F).

Application

1. The first coat of material should be applied at a target thickness of 500 microns (20mil), use a plastic applicator as a squeegee to apply a very thin layer of product, forcing it into the blast profile.
2. Special attention should be paid to detailed areas such as edges, corners and welds where brush application by stippling may be required.
3. Immediately after the initial application apply further material by brush or applicator to give the required film build, checking film thickness with a wet film thickness gauge.
4. Lay off the coating by brush to give a smooth finish.
5. Allow to harden for a minimum of 4 hours at 20°C (68°F) or until touch dry before applying the second coat.
6. The second coat of material should be applied at a target thickness of 500 microns (20mil) using a brush or applicator and once again checking film thickness with a wet film gauge before finally laying off the coating with a brush to give a smooth finish.

Coverage Rates

1kg (2.2lb) of fully mixed product will give the following coverage rates –

0.866m ² at 500 microns	9.3ft ² at 20mil
0.433m ² at 1000 microns	4.65ft ² at 40 mil

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	35mins
Minimum overcoating time	4 hours
Maximum overcoating time	8 hours
Full cure	3 days

For Optimum Performance

After an initial curing period of at least 4 hours at 20°C (68F°), raising the cure temperature progressively to 60 - 100°C (140-212F°) for up to 8 hours will result in improved mechanical, thermal and chemical resistance properties

Pack Sizes

This product is available in the following pack sizes –
1kg (2.2lb), 3kg (6.6lb)

Colour

Mixed material - Dark Grey, Light Grey
Base component – Dark Grey, Light Grey
Activator component – Amber liquid

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.