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	return tanks	calorifiers
distillation unit	evaporators	heat exchangers
scrubber units		

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 (60-77F°).
2. The ambient & surface temperature is above 10°C (50F°).
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 25 minutes at 20°C (68°F).

Application

1. The first coat of material should be applied at a target thickness of 600 microns (24mil), 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 16 hours at 20°C (68F°) before removing any surface bloom by washing first with a detergent and water mixture and then clean water.
6. This should be followed by sweep blasting at reduced pressure using fine grit, and removal of any debris before washing with MEK.
7. The second coat of material should be applied at a target thickness of 300 microns (12mil) 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 –

1.415m² at 300 microns	15ft² at 12mil
1.063m² at 400 microns	11.5ft² at 16mil
0.850m² at 500 microns	9ft² at 20mil
0.708m² at 600 microns	7.5ft² at 24mil

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	25mins
Minimum sweep blast time	16 hours
Maximum sweep blast time	48 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: