

RESIMETAL 208 Ceramic UW – solvent free epoxy high build coating for underwater surfaces

Resimac 208 Ceramic UW is a flexible high build solvent-free epoxy coating designed for application to wet or underwater surfaces. The ceramic enhanced product provides long term protection of steel and concrete structures against corrosion, abrasion and chemical attack.

- Apply to wet or underwater surfaces
- Cures at 5°C (41°F)
- Apply in a single coat up to 1mm (40mil) thickness

Typical Applications

Subsea structures pipelines risers
splash zone sheet and bearing piles other land and marine structures

Surface Preparation

All Substrates

The surface to be coated must be free of any marine life such as algae or barnacles, any degraded coating or surface corrosion must be cleaned from the surface.

For the best results the underwater repair surface can be hydro-blasted at a minimum pressure of 3000psi. This method of preparation will ensure the majority of surface contaminants will be cleaned from the surface.

If it is not possible to hydro-blast the surface then handheld scrapers and chisels can be used to clean the surface. If possible a rough pad should be used to try and take away any loose coating or surface corrosion. *Please be aware that this type of surface preparation will reduce the performance of the coating.*

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 water temperature is above 5°C (41°F).

Once these 2 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 45 minutes at 20°C (68°F).

Application

1. The material has been designed to be applied to underwater surfaces in a single coat at 750 microns (30mil) to 1mm (40mil) wet film thickness.
2. Using the applicator tool provided the material should be pressed onto the surface.
3. Ensure you do not over work the coating once applied onto the underwater surface, as a general rule if the coating has covered the repair area then leave it to cure.
4. You can dress or smooth off the coating after a minimum of 4 hours after application using a gloved hand.

Coverage Rates

4ltr (1.05 US gallon) of fully mixed product will give the following coverage rates –

5.333m² at 750 microns 57.28ft² at 30mil
4m² at 1000 microns 43ft² 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

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At 20°C (68°F) 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	45mins
Touch Dry	6 hours
Hard dry	12 hours
Full cure	3 days

Pack Sizes

This product is available in the following pack sizes –
4ltr (1.05 US gallons)

Colour

Mixed material - Dark Grey
Base component – Dark 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.