

PRODUCT DESCRIPTION

REPCOAT 2208 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.

TYPICAL APPLICATIONS

Suitable for coating surfaces suffering from severe erosion, corrosion or abrasion such as:

- Subsea Structures
- Ships Hull
- Risers
- Splash Zones
- Sheet and Bearing Piles
- Pipelines

SURFACE PREPARATION

GENERAL

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 AND APPLICATION

PRECAUTIONS

Ensure the Base component is at temperature of 15-25°C (60-77°F) before mixing and the water temperature is above 5°C (41°F).

MIXING and APPLICATION

Only full units of material should be mixed. Transfer the contents of the Activator unit into the Base container and

mix carefully using a spatula. Mix the two materials until a uniform material free from any streaks is achieved. The material from the commencement of mixing should be used in 45mins at 20°C (68°F).

The material has been designed to be applied to underwater surfaces in a single coat at 750 microns (30 mil) to 1mm (40 mil) wet film thickness. Using the applicator tool provided press the material on to the surface. Ensure you do not overwork the coating once applied evenly on the underwater surface. As a general rule once the coating has evenly covered the repair/area to be protected leave it to cure. If necessary the coating can be further dressed or smoothed out after a minimum of 4 hours using a gloved hand.

Coverage Rates

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

1.33m² at 750 microns 14.32ft² at 30mil
1.00m² at 1000 microns 10.75ft² 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 coated.

CURE TIMES

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:

| Temperature | Usable Life | Touch Dry | Hard Dry | Full Cure |
|-------------|-------------|-----------|----------|-----------|
| 10°C/50F° | 90 Mins | 12 Hrs | 24 Hours | 6 Days |
| 20°C/68F° | 45 Mins | 6 Hours | 12 Hours | 3 Days |
| 30°C/86F° | 25 Mins | 3 Hours | 6 Hours | 1 Day |
| 40°C/104F° | 15 Mins | 1 Hours | 3 Hours | 12 Hours |

UNIT SIZES

Product is available in the following pack sizes –

4ltr (1.05 US Gallons)

TECHNICAL DATA SHEET:

REPFLO 2208 UW

COLOUR

| | |
|---------------------|--------------|
| Mixed Material | Dark Grey |
| Base Component | Dark Grey |
| Activator Component | Amber Liquid |

STORAGE LIFE

The shelf life of the product is typically 5 years if unopened and stored in cool dry conditions (15-30°C/ 60-86F°). Once opened replace the lid firmly and store as above.

TECHNICAL SUPPORT

Zoom Corrosion Technology offer complete technical support and assistance, from discussing application requirements to training approved local contractors. For further information please contact a REPCO representative or your nearest REPCO authorised dealer.

HEALTH AND SAFETY

Please refer to the product safety data sheet for detailed information on handling, storage, shipping and disposal.

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. Zoom Corrosion Technology accepts no liability arising out of the use of this information or the product described herein.

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