

PRODUCT SPECIFICATION SHEET: REPCOAT 2208 UW

PRODUCT DESCRIPTION

REPCOAT 2208 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. The product cures at 5°C (41°F) and is applied in a single coat at 750 microns to 1mm (40mil) thickness

TYPICAL APPLICATIONS

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

GENERAL PRODUCT INFORMATION

Appearance

Base: Dark Grey
Activator: Amber Liquid
Mixed: Dark Grey

Mixing Ratio

By weight: 6.75:1
By volume: 4:1

Density

Base: 1.67
Activator: 0.99
Mixed: 1.54

Volume Capacity

649cc/Kg

Solids content

100%

Slump Resistance

Nil at 1000 microns

Coverage Rate

4ltr (1.05 US Gallons) 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 repaired.

MECHANICAL PROPERTIES

Testing is typically done under laboratory conditions at a temperature of 20°C unless otherwise specified.

Abrasion Resistance

Taber CS17 Wheels/1 Kg load, wet

38mm³ loss/1000 cycles

Adhesion

Tensile Shear when tested in accordance with ASTM D1002 on abrasive blasted mild steel with a 75 micron profile will typically be:

184kg/cm² 2,610 psi

Pull off Adhesion to ASTM D4541 on abrasive blasted mild steel with 75 micron profile

176kg/ cm² 2,500psi

Corrosion Resistance

When tested in accordance with ASTM B117 the material shows no sign of corrosion after:

Minimum 5000 hours Exposure

Flexural Strength tested in accordance with ASTM D790 typical values will be:

614kg/cm² 8710psi

Impact Resistance

Tested to ASTM D256

32J/m

Hardness

Shore D to ASTM D2240

20°C 80

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CURE TIMES

The applied material should be allowed to harden for the times indicated below before being subjected to the conditions indicated:

Usable Life

10°C	90 minutes
20°C	45 minutes
30°C	22.5 minutes
40°C	11 minutes

Touch Dry

10°C	12 hours
20°C	6 hours
30°C	3 hours
40°C	1.5 hours

Hard Dry

10°C	24 hours
20°C	12 hours
30°C	6 hours
40°C	3 hours

Full Cure

10°C	6 days
20°C	3 days
30°C	1.5 days
40°C	18 hours

APPROVALS

Approved by BUREAU VERITAS for Surface Protection and Cold Repair Products applied to Marine Vessels

SHELF 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.

CHEMICAL RESISTANCE

The product resists attack by a wide variety of aqueous acidic solutions at elevated temperature and other media at lower temperatures. Refer to the Repco Technical Centre for advice.

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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