



Product Specification Sheet

DEP 208

Ceramic UW Fluid

DEP 208 Ceramic UW Fluid

is a flexibilised high build epoxy coating designed for application to wet surfaces or even underwater. The ceramic enhanced product provides outstanding adhesion to wet surfaces and long term protection of steel and concrete structures against corrosion, abrasion and chemical attack. The material will cure down to 5°C and is highly resistant to marine and industrial environments, buried conditions, ground water, effluents, salt water and a wide range of oils and chemicals.

Typical applications

Suitable for the coating of subsea structures, pipelines, risers, slash zones, sheet and bearing piles and other land and marine structures.

Characteristics

Appearance

Base:	Aluminium coloured paste
Activator:	Amber liquid
Mixed:	Thixotropic aluminium coloured paste

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%

Sag Resistance

Nil at 400 microns

Useable Life

10°C	45-60 minutes
20°C	45 minutes
30°C	15-20 minutes

Coverage

Resimetal 208 has been specifically designed for application to wet surfaces or underwater. When applying to dry or wet surfaces it can be applied in two coats at a minimum of 250 microns per coat but when applying underwater it should be applied in a single coat at a minimum thickness of 500 microns. All sharp edges and welds, etc., should first be stripe coated and subsequent coating carried out wet on wet.

The practical coverage rate at 250 microns is 3.4 sq metres/ litre. Due allowance should be taken for additional wastage when applying underwater.

Cure Times

At 20°C 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:

Movement without Load	6 hours
Light loading	18 hours
Full loading	4 days
Chemical contact	7 days

Storage life

5 years if unopened and stored in normal dry conditions (15-30°C)

Mechanical Properties

Adhesion

Tensile Shear to ASTM D1002 on abrasive blasted dry mild steel with 75 micron profile

186kg/cm² (2640psi)

Tensile Shear to ASTM D1002 on abrasive blasted wet mild steel with 75 micron profile

174kg/cm² (2470psi)

Corrosion Resistance

Tested to ASTM B117

Minimum 5000 hours

Hardness

Shore D to ASTM D2240

75

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Quality

All DE Polymers Limited products are manufactured under the scope of a fully documented quality system.

Warranty

DE Polymers Limited warrants that the performance of the product supplied will conform to the typical descriptions quoted within this specification provided material is stored correctly and used according to the procedures detailed in the Technical Data Sheet for the material.

Health and safety

Please ensure good practice is observed at all times during the mixing and application of this product. Protective gloves and other recommended personal protective equipment must be worn during the mixing and application of this product. Before mixing and applying the material please ensure you have read and fully understood the detailed Material Safety Data Sheet

Legal Notice: The data contained within this Product Specification 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. DE Polymers Limited accepts no liability arising out of the use of this information or the product described herein.

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