

## RESICHEM 508 UVPU

Resichem 508 UVPU is a solvent based UV stable polyurethane coating designed for the long term protection of steel and concrete structures against corrosion, UV degradation and weathering.

### Typical applications

External surfaces such as, pipelines, storage tanks, concrete structures, walkways & stairways, structural steel

### Characteristics

#### Appearance

Base: Thin film liquid  
Activator: Clear liquid  
Mixed: Available in a wide range of colours

#### Mixing Ratio

By weight: 5.5:1  
By volume: 4:1

#### Density

Base: 1.514  
Activator: 1.035  
Mixed: 1.418

#### Solids content

55%

#### Sag Resistance

Nil at 150 microns

#### Coverage

Resichem 508 UVPU has been designed to be applied in 2 coats at 100 microns (4mil) wet film thickness per coat.

#### Brush or roller applications:

The material should be applied at a target thickness of 100 microns (4mil) per coat.

At 100 microns (Resichem 508 UVPU) will have a theoretical coverage rate of 10m<sup>2</sup> per ltr per coat.

#### 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 60 minutes  
20°C 30 minutes  
30°C 15 minutes  
40°C 7.5 minutes

#### Minimum overcoating time

10°C 3 hours  
20°C 90 minutes  
30°C 45 minutes  
40°C 22.5 minutes

#### Maximum overcoating time

10°C 72 hours  
20°C 36 hours  
30°C 18 hours  
40°C 9 hours

#### Storage life

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

### Mechanical Properties

#### Adhesion

Tensile Shear to ASTM D1002 on abrasive blasted mild steel with 75 micron profile  
195 kg/ cm<sup>2</sup> (2770 psi)

#### Salt Fog Resistance

Tested to ASTM B117  
Unaffected after 10,000 hrs

#### Corrosion Resistance

Tested to ASTM B117  
Minimum 5000 hours

#### Humidity Resistance

Tested to BS3900 Part F2  
Unaffected after 5000 hours

#### UV Resistance

Shore D to ASTM G53  
Unaffected after 1000 hours

#### Heat Resistance

Suitable for use in immersed conditions at temperatures up to 50°C. Resistant to dry heat up to 130°C dependent on load.

## Quality

All Resimac Products are supplied under the scope of the company's fully documented quality system.

## Warranty

Resimac 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. Resimac accepts no liability arising out of the use of this information or the product described herein.