

## RESICHEM 508 UVPU

**Resichem 508 UVPU** is a two pack solvent based polyurethane UV stable coating. The product once cured offers a tough UV resistant finish with excellent durability and light fastness. The product is normally used as a light stable finishing layer to surfaces previously coated with Resichem 501 CRSG or 506 Aluprime.

### Typical applications

Clear or pigmented finishing coat for multi-coat systems on structural steel, external tank surfaces.

### Surface Preparation

Metallic Substrates coated with Resichem 501 CRSG or 506 Aluprime

The product can be applied to the surface of either product once they have reached their over coating window. Please be aware for strong colours two coats maybe required.

Previously coated surfaces

The steel surface must be degreased and cleaned using MEK and all loose material and surface contaminants removed. Where spot corrosion has occurred the area can be coated by roughening the surface using MBX, needle gun, grinder or wire brush and then over coated with the Resichem 508 UVPU.

For optimum performance all previously coated surfaces should be abrasive blasted to **ISO 8501/4 Standard SA2.5 (SSPC SP10/ NACE 2)** and a minimum blast profile of 75 microns (3mil) using an angular abrasive. Once blast cleaned, the surface must be degreased and cleaned using MEK or similar type material. All surfaces must be coated before gingering or oxidation occurs.

### Mixing and Application

Transfer the contents of the Activator unit into the Base container and mix thoroughly until a uniform material free of any streaks is achieved. From the commencement of mixing the whole of the material should be used within 30 minutes at 20°C (68°F).

Brush or Roller

Apply the mixed material onto the prepared surface by brush or roller. This should be in two coats at a target wet film thickness of 150 microns (6mil) per coat. Apply the second coat as soon as possible after the first coat is dry and not in excess of 36hours. Where the maximum over-coating interval is exceeded, the first coat should be sweep blasted and cleaned prior to over-coating.

Spray Application

Where spray application is required, this should be carried out by airless spray using an input pressure of 60psi and a tip size of 0.23mm – 0.43mm.

### Coverage Rates

5ltrs (1.3 US gallons) of fully mixed product will give the following coverage rates –  
33m<sup>2</sup> at 150 microns                      355ft<sup>2</sup> at 6mil

*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

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               | 30 minutes |
| Minimum over coating time | 1.5 hours  |
| Movement without load     | 8 hours    |
| Maximum over coating time | 36 hours   |
| Full loading              | 7 days     |

## Pack Sizes

This product is available in the following pack sizes –  
5ltrs (1.3 US gallons)

## Colour

This product can be tinted to most BS or RAL colours. Please contact Resimac for further information.

## Over-coating times

Minimum - the applied material can be over-coated as soon as it is touch dry.

Maximum - the over-coating time should not exceed 36 hours.

Where the maximum over-coating time is exceeded, the material should be allowed to harden before being abraded or flash blasted to remove surface contamination.

## Storage Life

5 years if unopened and store in normal dry conditions (15-30°C/ 60-86°F)

## Health and Safety

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

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