

## RESICHEM 508 UVPU – UV stable corrosion resistant coating

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

- Apply to steel & concrete surfaces primed with 506 Aluprime or 501 CRSG
- Ideal for protection against UV degradation, corrosion and weathering
- Available in a wide range of colours

### Typical applications

External tank surfaces  
Structural steel

Pipeline surfaces

Structural concrete

### Surface Preparation

#### Metallic Substrates – Resimac Corrosion Protection System

The coating must be used as part of a Resimac corrosion protection system, 508 UVPU can be used as a UV stable top coat to surfaces primed with 506 Aluprime or 501 CRSG

Metallic Substrates – Mechanical abrasion

1. All oil and grease must be removed from the surface using an appropriate cleaner such as MEK.
2. All surfaces must be mechanically abraded using handheld grinders to **ISO 8501/4 ST3 (SSPC SP3 ST3)**.
3. Once abraded, the surface must be degreased and cleaned using MEK or similar type material.
4. Prime the prepared metallic surface with Resichem 506 Aluprime (applied at 150 microns/ 6mil WFT) or Resichem 501 CRSG (applied at 250 microns/ 10mil WFT).

#### Concrete Surfaces – Resimac Corrosion Protection System

The coating must be used as part of a Resimac corrosion protection system, 508 UVPU can be used as a UV stable top coat to surfaces primed with 503 SPEP or 505 Damp Seal

Existing Concrete

1. If the concrete surface is contaminated, pressure wash using clean water.
2. Once the concrete is dry, lightly abrasive blast or scarify taking care not to expose the aggregate.
3. Clean all dust and debris from the surface.
4. Prime the prepared surface with Resichem 503 SPEP (applied at 150 microns/ 6mil WFT) or Resichem 505 Damp Seal (applied at 150 microns/ 6mil WFT).

New Concrete

1. Allow new concrete to cure for a minimum of 21 days and treat to remove any surface laitance.
2. Check the moisture content of the concrete prior to coating (8% moisture content or below).
3. Lightly scarify the surface taking care not to expose the aggregate.
4. Clean all dust and debris from the surface.
5. Prime the prepared surface with Resichem 503 SPEP (applied at 150 microns WFT) or Resichem 505 Damp Seal (applied at 150 microns WFT).

### Mixing

Prior to mixing please ensure the following:

1. The base component is at a temperature between 15-25°C (60-77°F).
2. The ambient & surface temperature is above 10°C (50°F).
3. The ambient & surface temperatures are not less than 3°C (6°F) above the dew point.

Once these 3 checks have been met, please proceed with mixing the product.

1. Transfer the contents of the Activator unit into the Base container.
2. Using an electric paddle mixer, mix the 2 components until a uniform material free of any streaks is achieved.
3. From the commencement of mixing the whole of the material should be used within 30 minutes at 20°C (68°F).

### Application

Brush or roller applications

1. Pour the mixed material into a paint kettle or paint tray (this will maximise the usable life)
2. Using a 50mm (2") wide synthetic brush, stripe coat all edges, joints, corners and equipment with the mixed material. The stripe coat must be approximately 100mm (4") wide, at 100 microns (4mil) wet film thickness.
3. Once the stripe coat has cured sufficiently and is capable of being overcoated, apply the 1<sup>st</sup> coat of mixed product to all surfaces at 100 microns (4mil) wet film thickness.
4. If required once the 1<sup>st</sup> coat of material has cured sufficiently, approximately 90 minutes at 20°C (68°F), apply a 2<sup>nd</sup> coat of material to all surfaces at 100 microns (4mil) wet film thickness

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## Coverage Rates

5ltrs (1.3 US gallon) of fully mixed product will give the following coverage rates –  
50m<sup>2</sup> at 100 microns                      536ft<sup>2</sup> at 4mil

*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 overcoating time	90 minutes
Maximum overcoating time	36 hours

## Pack Sizes

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

## Colour

Base component – Wide range of BS or RAL colours  
Activator component – Clear

## Over-coating times

Minimum - the material can be over-coated as soon as it is touch dry, approximately 90 minutes at 20°C (68°F).

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°)

## Other Technical Documents

Quick Application Guide	-	Brush or roller applications
Safety Data Sheets	-	Base & Activator components
Product Specification Sheet	-	Technical Performance Information

## Health and Safety

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

## 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 if the product is suitable for use. Resimac accepts no liability arising out of the use of this information or the product described herein.