

RESICHEM 550 WR Membrane – water based acrylic tank base coating

Resichem 550 WR Membrane is a single component water based acrylic waterproof coating. The product is supplied ready to use and has been designed to seal tank bases from moisture ingress and further corrosion. The product has been developed using a complex range of acrylic resins, fillers and polymers which combine to provide a high performance waterproofing membrane with long term UV stability.

- UV stable membrane
- Seamless & flexible waterproofing system
- Single component

Typical applications

This product has been designed to be used as part of the Resimac Tank Base Sealing system.

Surface Preparation

1. For the best results all steel surfaces should be abrasive blast cleaned to SA2.5 with a 75 micron (3mil) profile.
2. Concrete surfaces must be lightly abrasive blast cleaned with care taken to not expose the aggregate.
3. If abrasive blast cleaning is not possible the minimum surface preparation allowable is mechanical abrasion using an MBX Bristle Blaster to **ISO 8501/4 ST3 (SSPC SP3 ST3)**.

Once all surfaces have been mechanically abraded or abrasive blast cleaned all dust and debris must be cleaned from the coating surface.

1. All surfaces (steel & concrete) must be primed using Resichem 506 Aluprime applied at a wet film thickness of 150 microns (6mil).
2. The surface must be left to cure for a minimum 6 hours (20°C) before applying 550 WR Membrane.

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 2 checks have been met, please proceed with mixing the product.

1. 550 WR Membrane is a single component material.
2. Agitate the product using an electric paddle mixer to ensure you have a consistent mix of acrylic emulsion.

Application

Brush or roller applications

1. Apply the 1st coat of material using a medium pile roller at a wet film thickness of 750 microns (30mil).
2. While the resin is still wet embed 806 Flextech Reinforcement mesh into the surface, then back roll the surface to embed the fabric.
3. Allow the coated surface to cure for a minimum of 3-4 hours (20°C).
4. Apply the 2nd coat of material using medium pile roller at a wet film thickness of 300-500 microns (12-20mil).

Please contact the Resimac Technical Department on info@resimac.co.uk or call +44 (0) 1845 577498 to receive a full system recommendation.

Coverage Rates

20ltrs (5.3 US gallon) of fully mixed product will give the following coverage rates –

26.6m ² at 750 microns	285ft ² at 30mil
40m ² at 500 microns	430ft ² at 20mil

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:

Touch Dry	1-2 hours
Minimum overcoating time	3-4 hours
Maximum overcoating time	Indefinite

Pack Sizes

This product is available in the following pack sizes – 20ltrs (5.3 US Gallon).

Colour

Single component – White or Light grey

Over-coating times

Minimum - approximately 3-4 hours at 20°C (68°F).
Maximum – indefinite

Storage Life

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

Other Technical Documents

Safety Data Sheets	-	Single component material
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.