

## RESICHEM 550 WR Membrane

**Resichem 550 WR Membrane** is a single component water based acrylic waterproof coating. The product is supplied ready to use and is ideal for water proofing roofs, tank bases, gutters and fibreglass. 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.

### Typical applications

Suitable for emergency repairs or part of planned maintenance to equipment such as -

**Roofs                      tanks bases                      gutters                      fibreglass structures**

### Surface Preparation

Typically Resichem WR membrane will be applied to steel surfaces that have been primed using Resichem 506 Aluprime.

#### *Tank Base/ Steel surfaces*

For the best results all steel surfaces should be abrasive blast cleaned to SA2.5 with a 75 micron (3mil) profile. However using Resichem 506 Aluprime as the primer, WR Membrane can be applied to surfaces with less than ideal surface preparation.

As a minimum all surfaces must be either mechanically abraded using an MBX Bristle Blaster or Hydroblasted (5000psi) to ensure all loose material is cleaned from the surface. Once dry, 2 coats of Resichem 550 WR Membrane can be applied at a WFT of 500 microns (20mil) per coat.

#### *Fibreglass surfaces*

All surfaces must be abraded using a coarse grinding pad. The surface must be free from dust and debris. Application temperature should be between 10°C-35°C. Apply 2 coats of Resichem 550 WR Membrane at a WFT of 500 microns (20mil) per coat.

### Mixing and Application

Please stir the container prior to applying the product to any prepared surfaces.

This product can be applied by brush, roller or squeegee.

### Coverage Rates

20ltrs (5.25 US gallon) of fully mixed product will give the following coverage rates –  
40m<sup>2</sup> at 500 microns                      430ft<sup>2</sup> 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	2-4 hours
Maximum Overcoating	Indefinite

## Pack Sizes

This product is available in the following pack sizes –  
20ltrs (5.25 US gallon)

## Colour

Mixed material – Light Grey or White

## 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

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

## Technical Data and Performance

Volume Solids	60%
Elongation ASTM D412	160%
Tensile Strength ASTM D412	42kg/cm <sup>2</sup> (600psi)
Direct Pull Adhesion ASTM D4541	28kg/cm <sup>2</sup> 400psi

## 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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