

## RESICHEM 554 RB Membrane – solvent based rubberized acrylic roof coating

**Resichem 554 RB Membrane** is a single component solvent based rubberised acrylic waterproof coating. The product is supplied ready to use and is ideal for water proofing roofs, gutters and fibreglass in colder climates (product cures at 5°C/ 40°F). 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 for roofs and GRP structures
- Seamless & flexible waterproofing system
- Single component
- Cures at temperatures as low as 5°C/ 40°F
- Shower resistant within 15 minutes

### Typical applications

Suitable for coating the following surfaces -

Roofs                      gutters                      fibreglass structures

### Surface Preparation

Resichem 554 RB membrane is ready for use on flat roofs, pitched roofs, weathered asphalt, bituminous surfaces, concrete, brickwork, fibreglass, felt, metal, plywood and wooden substrates.

All surfaces have to be cleaned appropriately and must be free from mould, moss, algae, dust and debris. The surface of the roof must be pressure washed at a minimum 2000psi. The roof surface must be dried off using squeegees or allowed to dry overnight.

#### 1. **Concrete and porous surfaces**

All surfaces must be primed using RESICHEM 503 SPEP a low viscosity epoxy primer applied at a wet film thickness of 150 microns (6mil).

#### 2. **Plywood and wooden surfaces**

All surfaces must be primed using RESICHEM 503 SPEP a low viscosity epoxy primer applied at a wet film thickness of 150 microns (6mil).

#### 3. **Bituminous or asphalt surfaces**

All surfaces must be primed using RESICHEM 559 BP Primer a low viscosity solvent based acrylic primer applied at a wet film thickness of 100 microns (4mil).

#### 4. **Mineral Felt surfaces**

All surfaces must be primed using RESICHEM 559 BP Primer a low viscosity solvent based acrylic primer applied at a wet film thickness of 100 microns (4mil).

#### 5. **Metal surfaces**

All surfaces must be primed using RESICHEM 506 Aluprime a low viscosity solvent based epoxy primer applied at a wet film thickness of 150 microns (6mil) .

### 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 5°C (40°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. 554 RB 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 1<sup>st</sup> coat of material using a medium pile roller at a wet film thickness of 750 microns (30mil).
2. While the coating is still wet lay 100gm glass fibre chop strand matting onto the surface.

Resimac Ltd, Unit B, Park Barn Estate, Station Road, Topcliffe, Thirsk, YO7 3SE, United Kingdom

Tel: +44 1845 577498    Email: [info@resimac.co.uk](mailto:info@resimac.co.uk)    Web: [www.resimacsolutions.com](http://www.resimacsolutions.com)

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3. Back roll a thin layer of 554 RB membrane onto the surface to ensure the matting is fully encapsulated.
4. Allow to cure for approximately 8 hours (20°C/ 68°F).
5. Apply a 2<sup>nd</sup> coat of Resichem 554 RB Membrane at a wet film thickness of 750 microns (30mil).

### Coverage Rates

5ltrs (1.3 US gallon) of fully mixed product will give the following coverage rates –

6.65m<sup>2</sup> at 750 microns                      71ft<sup>2</sup> at 30mil

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

26.6m<sup>2</sup> at 750 microns                      285ft<sup>2</sup> at 30mil

*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:

Shower resistant	15 minutes
Touch Dry	2 hours
Minimum overcoating time	8 hours
Maximum overcoating time	Indefinite

### Pack Sizes

This product is available in the following pack sizes –

5ltrs (1.3 US Gallon), 20ltrs (5.3 US Gallon).

### Colour

Single component – White or mid grey or black.

### Over-coating times

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