

RESICHEM 552 CSM Membrane – high build water based acrylic roof coating

Resichem 552 CSM Membrane is a single component high build water based acrylic waterproof coating. The product is supplied ready to use and is ideal for use as an embedment coating with glass fire chop strand matting for water proofing roofs, gutters and fibreglass.

- High build capability
- Use as an embedment coating with 100gm glass fibre chop stranding matting
- Single component

Typical applications

Suitable for emergency repairs or part of planned maintenance to equipment such as -
Roofs gutters fibreglass structures

Surface Preparation

Resichem 552 CSM 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 material 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. 552 CSM 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 1000 microns (40mil).
2. While the coating is still wet lay 100gm glass fibre chop strand matting onto the surface.
3. Back roll a thin layer of 552 CSM membrane onto the surface to ensure the matting is fully encapsulated.
4. Allow to cure for approximately 3-4 hours (20°C).
5. Apply a 2nd coat using Resichem 550 WR Membrane at a wet film thickness of 500 microns (20mil)

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

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system recommendation.

Coverage Rates

20ltrs (5.3 US gallon) of fully mixed product will give the following coverage rates –
20m² at 1000 microns 215ft² at 40mil

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.