

PES-CHEM 551 ER Membrane

PES-CHEM 551 ER Membrane is a single pack solvent based acrylic water proof coating. The product is supplied ready to use and is ideal for waterproofing flat roofs, pitched roofs, gutters, felt and fibreglass. The product is highly fibrous and has excellent crack or gap bridging qualities and is not adversely affected by rainwater immediately after application.

Typical applications

Flat and pitched roofs, weathered asphalt and bituminous surfaces, gutters, brickwork, fibreglass, felt and metal surfaces.

Surface Preparation

Clear all areas of moss, lichen and debris by brushing or power washing and remove surface water and any contamination such as oil or grease and allowed to dry.

Most roofing surfaces and substrates will not require any primer.

Application temperature should be between 41-77°F (5°C-25°C).

1. Metallic substrates

This product can be applied to Ferrous (New), weathered and previously painted and galvanised iron and steel, Non Ferrous metals such as Aluminium sheeting, aluminium alloy box gutter and previously painted non-Ferrous metals.

2. Porous/ friable surfaces

Concrete and Asbestos cladding, sheeting and guttering should be primed with Pes-chem 505 Damp Seal prior to overcoating with Pes-chem 551 ER Membrane.

3. Non porous surfaces

Slate, polished bricks should be power washed, abraded and completely dry, free from contamination to achieve adhesion with Pes-chem 551 ER Membrane.

4. Bitumen surfaces

Discolouration may occur over new asphalt, tar or bitumen surfaces, therefore an extra coat of Pes-chem 515 Polyroof AW may be required for decorative purposes only.

5. Previously painted or coated surfaces

It is good practice to inspect and carry out adhesion tests on any existing coating or substrate prior to the application of Pes-chem 551 ER Membrane.

6. Splits, cracks, joints and seals

Pay particular attention to any cracks, joints, splits and seals and ensure that the area has been cleaned out by scraping or brushing any debris away from the repair area.

PLEASE NOTE:

Pes-chem 551 ER Membrane is not recommended for the treatment of wooden surfaces, tanking, fishponds or internal use.

Air conditioning vents should be sealed for 24 hours during and after application of this product.

As an appropriate cleaner use MEK.

Technical Data Sheet



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.

As a rule for high build coating in excess of .039" (1mm) this material will have a practical coverage rate of 1-2kg per 10 sq. ft. (m²), for thinner film coating 12-16 Mils. (approx. 300-400 microns) this product will achieve a practical coverage rate of 0.5-0.75kg per 10 sq. ft.(m²).

Cure Times

At 68°F, (20°C) 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:

Up to 6-7 days depending on temperature and thickness of coating.

The material may remain soft for a further period depending on climatic conditions, this is not detrimental to the waterproofing qualities of the product.

Rainfall immediately after application has no adverse effect on this product.

Storage Life

2 years if unopened and stored in normal dry conditions 59-86°F, (15-30°C)

Health and Safety

Please ensure good practice is observed at all times during the mixing and application of this product. Protective gloves and other recommended personal protective equipment must be worn during the mixing and application of this product. Before mixing and applying the material please ensure you have read and fully understood the detailed Material 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 the products suitability for use. Polymeric Engineered Solutions accepts no liability arising out of the use of this information or the product described herein.