

## RESICHEM 557 POLYROOF EC 661

**Resichem 557 Polyroof EC 661** is a single pack solvent based moisture triggered elastomeric urethane coating. The product is supplied ready to use and is ideal for waterproofing GRP, Asbestos, Concrete, Metal and Mineral Felt Roofs. The coating has been designed to be used as an embedment coat with 225gm glass fibre chop strand matting and must be overcoated with Resichem 558 Polyroof UV 662 once cured.

### Typical applications

The product is supplied ready to use and is ideal for water proofing roofs, gutters, tank bases and fibreglass structures

### Characteristics

#### Appearance

Single Component:

Thixotropic  
urethane based  
liquid

#### Mixing Ratio

Single Component

#### Density

1.25

#### Solids content

85%

#### Sag Resistance

Nil at 1000 microns

### Coverage

#### Brush or roller applications:

The material can be applied in a range of thicknesses dependent on the application.

1000 microns WFT

1m<sup>2</sup> per ltr

2000 microns WFT

0.5m<sup>2</sup> per ltr

### Cure Times

The applied material should be allowed to harden for the times indicated below before being subjected to the conditions indicated:

#### Touch Dry

5°C 6-10 hours

10°C 4-6 hours

20°C 2-3 hours

30°C 1-1.5 hours

#### Minimum overcoating time

5°C 18-24 hours

10°C 12-16 hours

20°C 6-8 hours

30°C 3-4 hours

#### Maximum overcoating time

Indefinite

### Storage life

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

### Mechanical Properties

#### Elongation

Tested to ASTM D412  
280%

#### Tensile Strength

Tested to ASTM D412  
32kg/cm<sup>2</sup> (460psi)

#### Direct Pull Adhesion

Tested to ASTM D4541  
35kg/cm<sup>2</sup> (500psi)

#### Water

#### Vapour

#### Permeability

Tested to ASTM D1653  
2 x 10<sup>4</sup> perm.cm

#### Tear Strength

Tested to ASTM D624  
19 N/mm

#### Impact Resistance

Tested to ASTM D2794  
13.55 Joules

#### UV Resistance

Tested to ASTM G53  
5000 hours unaffected

#### Heat Resistance

Resistant to dry heat up to  
100°C dependent on load.

## Quality

All Resimac Products are supplied under the scope of the company's fully documented quality system.

## Warranty

Resimac warrants that the performance of the product supplied will conform to the typical descriptions quoted within this specification provided material is stored correctly and used according to the procedures detailed in the Technical Data Sheet for the material.

## 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 Product Specification 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. Resimac accepts no liability arising out of the use of this information or the product described herein.