

RESICHEM 595 PU XF

Resichem 595 PU XF is a moisture cured fast curing two pack solvent free polyaspartic coating system which provides protection and decorative properties to concrete, steel and other substrates.

Typical applications

Factory floors, Laboratories,
Clean rooms

Characteristics

Appearance

Base: thixotropic liquid
Activator: Amber liquid
Mixed: Thixotropic liquid

Mixing Ratio

By weight: 1.15:1
By volume: 1.25:1

Density

Base: 1.08
Activator: 1.10
Mixed: 1.09

Solids content

100%

Sag Resistance

Nil at 250 microns

Coverage

The material should be applied in two coats at a target thickness of 150 microns (6mil) per coat. At 150 microns Resichem 595 PU XF will have a theoretical coverage rate of 6.66m² per ltr per coat.

Cure Times

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

Usable life

10°C/ 65% RH 70 minutes
20°C/ 65% RH 60 minutes
30°C/ 65% RH 50 minutes

Minimum overcoating time

10°C/ 65% RH 5 hours
20°C/ 65% RH 4 hours
30°C/ 65% RH 3 hours

Maximum overcoating time

10°C/ 65% RH 30 hours
20°C/ 65% RH 24 hours
30°C/ 65% RH 18 hours

Storage life

1 year if unopened and stored in normal dry conditions (15-30°C)

Mechanical Properties

Abrasion Resistance

Taber CS17 Wheels/1 Kg load
0.38cc loss/1000 cycles

Pull Off Adhesion

Tested to ASTM D4541
42kg/ cm² (600 psi)
Concrete failure

Impact Resistance

Tested to ASTM G14
4.0 joules

Compressive strength

Tested to ASTM D 695
455kg/cm² (6500psi)

Corrosion Resistance

Tested to ASTM B117
Minimum 1000 hours

Flexural Strength

Tested to ASTM D790
645kg/cm² (9150psi)

Hardness

Shore D to ASTM D2240
80

Heat Resistance

Suitable for use in immersed conditions at temperatures up to 60°C. Resistant to dry heat up to 180°C dependent on load.

Chemical Resistance

The product resists attack by a wide variety of inorganic acids, alkalies, salts and organic media including:

<i>Typical Chemicals</i>	<i>Maximum Temperature</i>
<i>Brine</i>	40°C
<i>Crude Oil</i>	40°C
<i>Diesel</i>	40°C
<i>Hydrochloric Acid 10%</i>	40°C
<i>Naphtha</i>	40°C
<i>Phosphoric Acid 30%</i>	40°C
<i>Sodium Hydroxide 30%</i>	40°C
<i>Sulphuric acid 20%</i>	40°C

For more detailed information refer to the Resimac Technical Centre for advice.

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.