

RESICHEM 520 WALL COAT UV

Resichem 520 Wall Coating UV is a high performance UV stable water based coating designed for use on external and internal wall surfaces. The coating is based on a blend of water-borne acrylic and urethane polymers in combination with colour stable chemical resistant pigments to provide a coating which offers outstanding weather, chemical and abrasion resistance together with excellent gloss, graffiti resistance and colour stability.

Typical applications

Factory Walls, Police cells,
Hospital Walls, Laboratories,
External surfaces,
Warehouses, Food factories,
Offices

Characteristics

Appearance

Base: Low viscosity
white or clear
liquid
Activator: Amber liquid
Mixed: Low viscosity
white or clear
liquid

Mixing Ratio

By weight: 4:1
By volume: 3.5:1

Density

Base: 1.27
Activator: 1.10
Mixed: 1.23

Solids content

50%

Sag Resistance

Nil at 150 microns

Coverage

Brush, roller or spray
applications:

The material should be applied in at a target wet film thickness of 100 microns (4mil).

At 100 microns (4mil) Resichem 520 Wall Coat UV will have a theoretical coverage rate of 10m² 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 3 hours
20°C 90 minutes
30°C 45 minutes
40°C 22.5 minutes

Minimum overcoating time

10°C 8 hours
20°C 4 hours
30°C 2 hours
40°C 1 hour

Maximum overcoating time

10°C 96 hours
20°C 48 hours
30°C 24 hours
40°C 12 hours

Storage life

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

Mechanical Properties

Impact Resistance

Tested to BS 2782
0.9kg load at 45cm

UV Resistance

Tested to G53
500 hours no change

Pull off adhesion

Tested to ASTM 4541
Elcometer pull off adhesion
tester
35kg/cm² (500psi)

Humidity Resistance

Tested to ASTM BS3900
5000 hours unaffected

Mould Resistance

Excellent

Bacteria Resistance

Excellent

Scratch Resistance

Tested to ASTM BS3900
No failure 2.5kg load

Heat Resistance

Maximum intermittent wet
temperature resistance 70°C.
Maximum dry heat resistance
120°C.

Chemical Resistance

Suitable for intermittent contact
with caustic based cleaning
solutions up to 80°C.

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.