

RESICHEM 555 Resinox

Resichem 555 Resinox is a single pack water based high build acrylic coating. The product is supplied ready to use and is ideal for protecting metallic and cementitious surfaces subject to weathering and corrosion. The product is capable of long term corrosion protection on Hydroblasted to abrasive blast cleaned surfaces.

Resichem 555 Resinox is a high performance anti corrosive coating designed for ferrous surfaces prepared by water jetting. Its encapsulating and UV resistance properties provide superior long term protection of external surfaces.

Typical applications

Structural steel, external tank surfaces, concrete structures

Surface Preparation

All surfaces should be clean, dry and free from oils, grease, loose material, standing water and any other contaminants.

Metal Surfaces: Should be prepared by mechanical wire brushing, grinding or high pressure water jetting (typically 800 bar+) to achieve Swedish Standard St3, taking particular care when cleaning badly pitted surfaces.

The visual surface cleanliness should reach the level of WJ-4 (loose rust, mill scale, loose coatings uniformly removed)

Mixing and Application

Single component material and should only require stirring with a slow speed mechanical mixer prior to use to incorporate any slight separation.

Please stir the container prior to applying the product to any prepared surfaces.

This product can be applied by brush, roller, squeegee or by standard airless spray

Product must not be applied when humidity reads higher than 85% or when the surface to be coated is less than 5°C (41°F) below the dew point.

Resinox should be applied as a two coat system at 350 microns (14 mils) per coat. The first coat should be allowed to dry to the touch (30 minutes) depending on substrate and weather conditions) prior to the second coat being applied.

No top coat is required.

All equipment should be cleaned IMMEDIATELY after use with clean water.

Coverage Rates

20ltrs (5.25 US gallon) of fully mixed product will give the following coverage rates –

40m² at 500 microns 430ft² at 20mil

20m² at 1000 microns 215ft² at 20mil

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	30 mins
Minimum Over coating	30 mins
Hard Dry	24 hrs
Full cure	7 days
Maximum Over coating	Indefinite

Pack Sizes

This product is available in the following pack sizes –
20ltrs (5.25 US gallon)

Colour

Mixed material – Light Grey, mid grey or white

Over-coating times

Minimum - the applied material can be over-coated as soon as it is touch dry.
Maximum - the over-coating time is indefinite

Storage Life

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

Technical Data and Performance

Tensile Strength ASTM 412	3.2N/ mm²
Corrosion Weathering ASTM D4798	1500 hours No cracks or blisters
Corrosion Resistance ASTM B117	5000 hours Outstanding
Elongation ASTM D412	230%
UV Resistance ASTM 653	5000 hours Unaffected
Impact Resistance ASTM D2444	110 lb/ ins
Volume Solids	55%

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