

RESICHEM 576 QUARTZ SCREED

Resichem 576 Quartz Screed is an epoxy resin based solvent free high build trowel screed. The product has been designed to be applied to uneven concrete surfaces to a wet film thickness of 10-30mm (3/8" - 1 1/4"). On curing the product will ensure any imperfections on the surface of the concrete are reduced.

Typical applications

Ideal for coating concrete floors, problematic cementitious surfaces in industrial warehouses and manufacturing, offices and laboratories.

Characteristics

Appearance

Base Component:	Clear liquid
Activator component:	Straw liquid
Aggregate:	Natural or Grey milled powder

Mixing Ratio

By weight: 9:1

Density

Base:	1.12
Activator:	1.00
Aggregate:	2.7
Mixed:	2.5

Solids content

100%

Sag Resistance

Nil at 20mm

Coverage

Trowel applications:

10kg/ 4.3ltrs (1.15 US gallon) of fully mixed product will give the following coverage rates –
0.86m² at 5mm 9.2ft² at 0.2"
0.43m² at 10mm 4.6ft² at 0.4"
0.215m² at 20mm 2.3ft² at 0.75"

45kg/ 18ltrs (4.75 US gallon) of fully mixed product will give the following coverage rates –
3.6m² at 5mm 38.75ft² at 0.19"
1.8m² at 10mm 19.3ft² at 0.27"
0.9m² at 20mm 9.68ft² at 0.27"

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	50 minutes
20°C	25 minutes
30°C	12 minutes
40°C	6 minutes

Minimum Overcoat

10°C	12 hours
20°C	6 hours
30°C	3 hours
40°C	1.5 hours

Foot Traffic

10°C	48 hours
20°C	24 hours
30°C	12 hours
40°C	6 hours

Forklift Traffic

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

Storage life

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

Mechanical Properties

Abrasion Resistance

Taber CS17 Wheels/1 Kg load
145mg loss/1000 cycles
0.53cc loss/1000 cycles

Compressive strength

Tested to ASTM D 695
880kg/cm² (12500psi)

Flexural Strength

Tested to ASTM D790
490kg/cm² (7000psi)

Direct Pull off Adhesion

Tested to ASTM D4060
35kg/cm² (500psi)
Concrete failure

Impact Resistance

Tested to ASTM D256
1.8 joules

Shrinkage

Tested to ASTM C246
Nil

Chemical Resistance

The product resists attack by a wide variety of low concentration industrial chemicals:

<i>Typical Chemicals</i>	<i>Maximum Temperature</i>
<i>Brine</i>	40°C
<i>Crude Oil</i>	40°C
<i>De-ionised Water</i>	20°C
<i>Diesel</i>	40°C
<i>Hydrochloric Acid 10%</i>	40°C
<i>Phosphoric Acid 30%</i>	40°C
<i>Sodium Hydroxide 50%</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.