

PRODUCT SPECIFICATION SHEET: REPCON 6576 HP QUARTZ

PRODUCT DESCRIPTION

Repon 6576 HP Quartz 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" - 11/4"). On curing the product will ensure any imperfections on the surface of the concrete are reduced.

TYPICAL APPLICATIONS

Ideal for repairing and coating concrete and cementitious surfaces such as industrial floors, ramps, loading bays, manufacturing facilities, laboratories and offices.

GENERAL PRODUCT INFORMATION

Appearance

Base: Clear liquid
Activator: 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 20 mm

Coverage Rate

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 materials 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 overcoating time

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

The shelf life of the product is typically 5 years if unopened and stored in cool dry conditions (15-30°C/ 60-86°F). Once opened replace the lid firmly and store as above.

Chemical Resistance

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

Typical Chemicals	Maximum Temperature
Brine	40°C
Crude Oil	40°C
De-ionised Water	20°C
Diesel	40°C
Hydrochloric Acid 10%	40°C
Phosphoric Acid 30%	40°C
Sodium Hydroxide 50%	40°C
Sulphuric acid 20%	40°C

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

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MECHANICAL PROPERTIES

Abrasion Resistance

Taber CS17 Wheels/1 Kg load

145mg loss/1000 cycles

0.53cc loss/1000 cycles

Adhesion

Tested to ASTM D4060

35kg/cm² 500psi (cohesive failure in concrete)

Compressive strength

When tested in accordance with ASTM D 695, typical values will be:

880kg/cm² 12,500psi

Flexural Strength

When tested in accordance with ASTM D790 typical values will be:

490kg/cm² 7,000psi

Impact Resistance

Tested to ASTM D256

1.8 joules

Shrinkage

Tested to ASTM C246

NIL

TECHNICAL SUPPORT

Zoom Corrosion Technology offer complete technical support and assistance, from discussing application requirements to training approved local contractors. For further information please contact a REPCO representative or your nearest REPCO authorised dealer.

HEALTH AND SAFETY

Please refer to the product safety data sheet for detailed information on handling, storage, shipping and disposal.

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