

PRODUCT DESCRIPTION

REPCON 6576 HP Quartz is an epoxy resin based solvent free high build trowel applied repair mortar. The product has been designed to be applied to damaged 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. The product exhibits high strength and hard wear properties and is ideal for areas of forklift and other vehicular traffic areas.

TYPICAL APPLICATIONS

Ideal for repairing/screeding concrete surfaces suffering from severe mechanical damage or chemical attack such as:

- Industrial flooring
- Delivery ramps
- Concrete steps
- Offices
- Laboratories
- Chemical Containment areas
- Kennels
- Garages

SURFACE PREPARATION

CONCRETE SUBSTRATE

Allow new concrete to cure for a minimum of 21 days and check the moisture content of the concrete prior to repairing (8% moisture content or below). Lightly scarify the surface taking care not to expose the aggregate. Clean all dust and debris from the surface.

Priming

Prime all surfaces to be repaired prior to applying 6576 HP Quartz. Apply REPRIME 5503 AP low viscosity epoxy primer to the surface by brush or roller at 150 microns (6mil) WFT, leave to cure for 3 hours (20°C/ 68°F) before overcoating.

MIXING AND APPLICATION

PRECAUTIONS

Ensure the Base component is at a temperature between 15-25°C (60-77°F) before mixing and do not apply when the ambient or substrate temperature is below 5°C (40°F) or less than 3°C (37°F) above the dew point

MIXING

Repcon 6576 HP Quartz is a kit that consists of 3 components, 1 x base resin, 1 x activator resin and natural or grey coloured aggregate.

1. Pour the Repcon 6576 HP Quartz Activator into the Repcon 6576 HP Quartz Base container.
2. Ensure all of the material is thoroughly mixed and streak free, pay attention to the sides and bottom of the container.
3. Once mixed, pour the contents of the mixed resin product into the large 20ltr container provided.
4. Add 50% of the natural or grey coloured aggregate to the resin mix. Use an electric drill and mixing paddle to mix the material. After 2 minutes of mixing add the remaining natural or grey coloured aggregate.
5. Mix all of the components together until you have a consistent streak free mixture.
6. Please ensure you pay attention to the bottom and sides of the mixer and ensure all of the contents are mixed properly.

PLEASE NOTE:

In colder climates or when the product is being applied to concrete surfaces lower than 12°C (50°F), add 75% of the aggregate and check the consistency of the mix. Colder temperatures will thicken the resin and therefore less aggregate is required to create a trowel applied product. Just add part of the remaining 25% of aggregate to create the correct level of consistency.

APPLICATION

1. Once you have the correct consistency empty the contents of the mixed resin on the area to be repaired.
2. Spread the Quartz repair mortar with a clean wet float or trowel and smooth off to the correct level. Be careful not to overwork the product as this will result in resin grinning through the aggregate
3. Once the repair is complete spray the float with more water and skim the surface of the repair to get a smooth finish on the 6576 HP Quartz
4. The repaired area can be over coated with one of the Repco range of protective floor or chemical resistant coatings.

TECHNICAL DATA SHEET: REPCON 6576 HP QUARTZ

COVERAGE RATES

A 10kg/ 3.4ltrs (1.1 US gallon) of fully mixed product will give the following coverage rates –

0.86m ² at 5mm	9.25ft ² at 0.20"
0.43m ² at 10mm	4.6ft ² at 0.40"
0.215m ² at 20mm	2.3ft ² at 0.75"

A 45kg/ 18ltrs (4.75 US gallon) of fully mixed product will give the following coverage rates –

3.6m ² at 5mm	38.75ft ² at 0.19"
1.8m ² at 10mm	19.3ft ² at 0.40"
0.9m ² at 20mm	9.68ft ² at 0.75"

Please note that the coverage rates quoted are theoretical and do not take into consideration the profile or condition of the surface being coated.

CURE TIMES

At 20°C (68F°) 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:

Usable life	25 minutes
Minimum overcoating time	6 hours
Maximum overcoating time	24 hours
Foot Traffic	24 hours
Forklift Traffic	48 hours

UNIT SIZES

Product is available in the following pack sizes –
3.4ltrs (0.8 US gallon)
16liters (4.2 US gallon)

COLOURS

3 Component System	
Base Component	Clear
Activator Component	Straw
Aggregate	Natural or light grey

STORAGE LIFE

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

TECHNICAL DATA

Please see the REPCON 6576 HP Quartz Product Specification Sheet for detailed technical and performance data.

HEALTH AND SAFETY

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

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.

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