

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 warehouses, offices and laboratories.

Surface Preparation

Remove any contamination and lightly abrasive blast or scarify the concrete surface taking care not to expose the aggregate. Allow new concrete to cure for a minimum 21 days and remove any surface laitance before coating.

Power floated concrete – use a vacuum assisted shot blaster or floor grinder to remove weak laitance and provide a surface key for the coating.

Loose paint or rust – remove using a vacuum assisted shot blaster or floor grinder or equivalent method.

Loose or friable concrete – use a vacuum assisted shot blaster or floor grinder.

ALL SURFACES MUST BE PRIMED

Primer – Ensure all concrete surfaces are primed using RESICHEM 503 SPEP, a low viscosity epoxy primer. This is not supplied with a pack of Resichem 576 Quartz Screed.

Oil or grease – use hot compressed air for large areas of contamination. Smaller, isolated deposits may be chemically cleaned with a standard degreaser product.

Mixing and Application

Resichem 576 Quartz Screed consists of 1 x 1ltr of 576 Screed Resin and Activator 1ltr (0.25 US gallon), 1 x 9kg (22lb) bag of natural aggregate –

Pour the RESICHEM 576 Screed Activator into the RESICHEM 576 Screed Base container and mix using the spatula provided. Ensure all of the material is thoroughly mixed and streak free, pay attention to the sides and bottom of the container. Once mixed, pour the contents of the mixed product into the container provided. Add 1 x 9kg (20lb) bag of aggregate and begin to mix. Use an electric drill and mixing paddle to mix the material.

Please ensure you pay attention to the bottom and sides of the mixer and ensure all of the contents are mixed properly.

WARNING:

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.

Once you have the correct consistency pour empty the contents of the mixed resin onto the floor. Spread the screed with a trowel or rubber squeegee and then smooth off to the correct level.

A TIP FOR A BETTER FINISH – once the repair area has been filled with material spray clean water onto the face of the trowel and skim the surface of the repair. This will give **576 Quartz Screed** a smooth finish.

Coverage Rates

The practical coverage rate for a 10kg (22lb) pack of self-leveller is as follows –

10mm wet film thickness	0.42m ² per pack	40mil wet film thickness	4.5ft ²
20mm wet film thickness	0.21m ² per pack	80mil wet film thickness	2.25ft ²
30mm wet film thickness	0.14m ² per pack	120mil wet film thickness	1.5ft ²

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:

Usable life	45 minutes
Hard Dry	8 hours
Minimum over coating	8 hours
Light loading	12 hours
Maximum over coating	24 hours
Full loading	3 days

Colour

Mixed material – Natural or Light Grey

Over-coating times

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

Maximum - the over-coating time should not exceed 24 hours.

Where the maximum over-coating time is exceeded, the material should be allowed to harden before being abraded or flash blasted to remove surface contamination.

Storage Life

5 years if unopened and store in normal dry conditions (15-30°C/ 60-86°F)

Health and Safety

Please ensure good practice is observed at all times during the mixing and application of this product. Protective gloves must be worn during the mixing and application of this product. Before mixing and applying the material please ensure you have read the fully detailed Material Safety Data Sheet.

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