



Technical Datasheet
Multi-Colour Epoxy Screed

PUMASCREED QUARTZ

DESCRIPTION

Pumascreed Quartz is a multi-colour mottled effect epoxy floor screed produced by the combination of clear epoxy resins and pigmented quartz aggregates.

COMPOSITION

Clear solvent free epoxy resin combined with graded coloured quartz aggregates.

APPEARANCE

Multi-coloured mottled slightly slip resistant finish.

THICKNESS

Nominal 4-6mm

Thicknesses greater than 6mm should be infilled with Pumascreed and a final 6mm applied to provide a smooth well compacted finish.

TYPICAL INSTALLATIONS

Pumascreed Quartz is used in industrial areas where a more decorative finish is required such as dry food preparation areas, pharmaceuticals, works canteens, laboratories, toilet areas etc. It should not be used in areas where steam cleaning is required or in areas requiring a high degree of chemical resistance. Please refer to data on Pumadur HF in areas where being heavy duty or chemically resistant are important.

SURFACE PREPARATION

To be assured of maximum adhesion and properties from Resdev resin products the correct surface preparation is essential. Please refer to technical data sheet Surface Preparation.

APPLICATION CONDITIONS

10-30°C. Please note in humid conditions it may be prudent to use PumagROUT SF as PumagROUT may be prone to misting. Please note that PumagROUT cannot be used as a final finish coat but PumagROUT SF can. Please contact the Technical Department for further information.

PRIMING

Use Pumaprime T.C. Please refer to technical data sheet.

MIXING

Pumascreed Quartz is a three pack product. Mix the hardener component well into the resin for a period of 1 minute. Transfer the mixed resin into a rotary drum mixer and add the aggregate (20kg pack) slowly until evenly wetted.

APPLICATION TECHNIQUE

Pumascreed quartz should be applied directly into uncured wet Pumaprime TC. The mortar is spread to an even thickness and the surface closed using a steel float.

SEALING

PumagROUT Clear or PumagROUT SF Clear is used to seal Pumascreed Quartz as follows:-

Sealing (1st Coat)

Apply PumagROUT or PumagROUT SF using a dense polypropylene squeegee to force the seal into the surface and to grout any open areas. Pull down any excess seal to leave the surface with an even, thin, transparent surface film. Finish by back rolling with a semi-dry roller. Allow to cure overnight.

Sealing (2nd Coat)

Apply PumagROUT, PumagROUT SF or Pumadur DD Clear using a dense polypropylene squeegee followed by a non absorbent roller. Pull down as tight as possible to leave a completely sealed, thin, transparent surface film taking care to avoid pooling or roller/squeegee marks.

COVERAGE RATES

	4mm	6mm
Pumaprime TC	4m ² /kg	4m ² /kg
Pumascreed Quartz	8kg/m ²	12kg/m ²
PumagROUT Clear or SF Clear	4m ² /kg	4m ² /kg

PumagROUT SF Clear or other approved finish coat. See Technical Department.

SPECIFICATION DETAIL

1. Pumaprime TC 223-350g/m² depending on porosity.
2. Pumascreed Quartz 2kg/m² per 1mm thickness.
3. PumagROUT or PumagROUT SF.
4. PumagROUT SF Clear or other approved finish coat.

MAINTENANCE

Pumascreed Quartz can be maintained in its original condition providing contamination is not allowed to build up and the floor is regularly scrubbed using proprietary cleaners.

CURE SCHEDULE

Usable Life 20° C	- 30-40 mins
Initial Set at 20° C	- 8-10 hours
Full Cure at 20° C	- 7 days
Foot Traffic at 20° C	- 12 hours
Heavy Traffic at 20° C	- 2 days

COLOURS AVAILABLE

Pumascreed Quartz aggregate is available direct from the supplier. Contact Technical Department for further information.

TECHNICAL DATA

Compressive strength	- 65-70N/mm ²
Tensile strength	- 69-10N/mm ²
Flexural strength	- 25-30N/mm ²
Slant shear bond strength	- 35N/mm ²
Flame spread BS476 Part 7	- Class 2

HEALTH AND SAFETY

Please read technical data sheet reference and specific health and safety data for this product provided in compliance with the requirements of EC Directive 91/155.

STORAGE, MIXING & APPLICATION

The storage, mixing and application conditions can affect the quality of the finish produced. Please read technical data sheet.

TECHNICAL ADVICE

For further information on this or any other Resdev product, please contact our Customer Care Department on 01422 379131.