

POLYSCREED QUARTZ

COLOURED QUARTZ POWER TROWELED RESIN SCREED

DESCRIPTION

Polyscreed Quartz is a hard wearing coloured quartz screeding system which provides exceptional abrasion/wear and chemical resistance. Polyscreed Quartz exhibits outstanding resistance to chalking and weathering. Polyscreed Quartz displays attractive aesthetics with an exposed aggregate or Terrazzo type look together with performance which renders it ideal for demanding industrial or commercial flooring environments.

APPLICATIONS

- Ideal for demanding environments
- Aesthetics and durability is essential
- Food process areas,
- Industrial kitchens
- Retail outlets
- Malls and Supermarkets
- Restaurants, Canteens
- Healthcare or Hospitals
- Commercial office spaces
- Schools and walkways
- The possibilities are endless

BENEFITS

- Decorative floor finish with custom colours to suit every need
- Excellent scratch and mar resistance
- Smooth consistent satin/matt finish
- Excellent stain resistance in the food environment
- Seamless and hygienic finish
- Excellent chemical resistance
- Rapid installation

TECHNICAL DETAILS

Application : Electric Power Trowel
 Compressive : > 45 MPa (BS 6319)
 Profile : Smooth, seamless non slip
 Flexural Strength : > 18 MPa
 Bond strength : > 1.5 MPa
 Finish : Satin / Gloss
 Application Temperature : 5 - 30°C
 Service Temperature : 60 °C max dry
 Dry Film Thickness : 3 – 4mm system
 Colour : Various/ Custom
 Walk on time : 15hrs at 20 °C
 Full cure : 5 days
 Chemical resistance: Consult our technical department for details.

SYSTEM DETAILS AND COVERAGE

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| Solidkote UP Epoxy Primer | 15L will cover 60m ² @ 250um |
| Scatter Quartz aggregate | 300g/m ² |
| Polyscreed Quartz Slurry | 21L will cover 17.5m ² @ 1.2mm |
| Polyscreed coloured quartz aggregate | Spread rate @ 4Kg/m ² |
| Polyscreed Quartz Sealkote | 15L will cover 75m ² @ 200um |
| Solidkote UV Super Satin (Satin or Gloss) | 40m ² /5L @ 125um Wet film Thickness |

DIRECTIONS

SUNSTRATE REQUIRMENTS

Surfaces to be coated must be clean and free of dust, oily residues and loose friable material. All surfaces to be suitably prepared using grinders, shot blasting or scarifiers to remove laitance. Substrate must be a concrete screed Grade 2 evenness and must be a minimum of 20MPa compressive strength and must have a tensile pull off exceeding 1.5 MPa. The substrate should be dry to 75% RH (BS 8204) and free from rising damp or ground water pressure.

APPLICATION

This is a specialized system that must be installed by an approved applicator with documented quality assurance. Consult Technical Finishes for a list of approved applicators.

1. Prime the prepared concrete surface with Solidkote UP Epoxy primer (15L, 2 component) and ensure sufficient priming is achieved by means of a visible seal. Into the wet primer layer, apply General scatter quartz (0.7 mm silica) at a rate of 300g per square metre and allow to cure for 8hrs.

2. The next step involves applying the Polyscreed Quartz Slurry (21L, 3 component) system using the scatter stone as an indication of required depth by hand trowelling the mixed slurry into place. Each slurry kit when mixed will achieved 17.5m² at 0.7-1.0 mm depth.

During application of the slurry layer the Polyscreed Quartz Aggregate (predetermined colour system) is then broadcast into the freshly laid, wet slurry at a rate of 4Kg aggregate/m², this step must be done sufficiently to completely blind and saturate the slurry thus ensuring full coverage of the surface.

Once the Polyscreed Quartz Aggregate has been applied and allowed to settle it is then power floated using a medium duty electric power float fitted with plastic or Teflon blades until a

uniform and compacted surface is achieved. Areas where resin might come through (will appear wet) will need additional aggregate applied and then power floated again. Once a satisfactory finish is achieved the screed is then left over night to cure.

3. Inspect the floor for any sharp or high points and use a steel trowel to remove. Any residual coloured quartz aggregate must be vacuumed from the surface to ensure that the newly laid screed is sufficiently clean and dirt free. Then apply the Polyscreed Quartz Sealkote (15L, 2 component) at a rate of 75m² at 200um using a rubber squeegee or trowel by hand to ensure the screed porosity is reduced to a minimum. Once the Sealkote is cured over 24 hours a thin coat of Solidkote UV Super Satin is applied to provide a final clear satin/matt finish. Allow drying overnight before trafficking the surface.

HEALTH & SAFETY

This system is solvent free and non-flammable but may be hazardous during mixing and application. Please consult Health and Safety Data sheets for each product.

Technical Finishes products are guaranteed against defective materials and are manufactured under high quality standards and are sold subject to its standard Terms and Conditions of Sale, copies of which can be obtained on request from our technical department.