

Glass Surfacing for Interior/Exterior Applications

Description

CrystalPave™ is a thermal set 2 part UV stable polyurethane resin blended with a design mix of crushed or beaded recycled glass (typically 1/8" to 1/4") to create a continuous surfacing system.

Uses

CrystalPave™ is ideal for internal flooring, stunning highlights, logos and external paving. CrystalPave™ can also be used in conjunction with SuperStone™ or StoneCarpet™.

Suitable Surfaces

CrystalPave™ is designed to be overlaid on concrete, asphalt and timber floors, balconies and podiums etc.

Refer to Overlay of Concrete, Timber flooring and Asphalt Specification Advice Sheets or Permeable Pavement Specification Advice Sheets for more detail.

Safety

For detailed information refer to the Material Safety Data Sheet. Wearing of gloves, goggles, overalls and safety footwear is highly recommended.

Surface Preparation

All areas to be treated shall be clean and dry and free from oil, grease, vegetation, chewing gum, loose matter and all other contaminants, which may impair the adhesion of the binder to the substrate.

All new concrete substrates must be subjected to a minimum curing period of 28 days. All concrete substrates must be primed with Rockseal Concrete Primer.

Mixing

A cement mixer is required to blend the bagged recycled glass. The part A and B resin is then mixed in a separate mixing vessel using an electric drill and paddle.

Resin mix is then added to the cement mixer and combined with the aggregate. Once mixed it is dispensed to a wheelbarrow and taken to the work site ready for trowelling.

Storage

All resins and aggregates must be stored in a clean and dry environment. Refer to storage instructions and use by date on kit for details.

Application

CrystalPave™ is hand trowel applied by trained and accredited applicators. Dispense mixed material. An asphalt rake, lute or gauge rake may be used to assist an even spread of material. Material should be trowel compacted to an even consistency and level.

The trowel should be regularly wiped clean to avoid resin build up and to achieve best results. At this stage, when required, dust with glass for anti-slip finishes. Repeat process to completion.

Do not walk on surface until completely set and tack free. Do not traffic surface with vehicles for 3 days.

Clean Up

White spirits is used for clean up.

Coverage Depth

Depth	Approx Coverage
3/4"-1"	20-30 sq. ft / kit

Technical Data

Standard Pack Size

200 lb kit of Resin and Glass

Cure Time

Standard Grade 3–5 hrs @ 70°F

Application Conditions

- Ground temperature 40–110°F
- No rain, showers or ambient humidity above 90%
- Not beyond Dew Point (refer to dew point calculator)
- No damp or wet surfaces

Performance Properties

Tensile Strength: 80 Kn/m

(When used with Fibregrid)

UV Stability: 60° gloss > 90% @ 5yr

(ASTM D523 Florida Gloss Retention)