

POLYSCREED PMC TERRAZZO

Polymer Modified Impact Resistant Hard Wearing Floor



Polyscreed PMC Terrazzo is a ready to use blend of hard wearing marble chip aggregate, polymer modified cement and additives which produces an abrasion resistant, impact resistant, 8 - 10 mm floor overlay system.

Polyscreed PMC Terrazzo provides a decorative finish of industrial strength once polished and sealed.

UNIQUE PRODUCT BENEFITS

- High early strength.
- Impact and abrasion resistant.
- Chemical resistant.
- Decorative terrazzo finish (polished).
- Functional and attractive finish.
- Pre-blended kit.
- Dense finish.

TECHNICAL DETAILS

Compressive Strength	55 to 60 MPa
Kit Yield	20 L (Mixed)
Coverage	2 m ² @ 10 mm
Appearance	Cementitious mortar
Consistency	Stiff, viscous paste

PACKAGING

40 kg Aggregate & 5 L Liquid

APPLICATIONS:

- Overlaying damaged concrete floors
- Patch repairing partially damaged concrete
- Industrial factory floors
- Warehouses
- Cold rooms
- Storage
- Automotive workshops
- Engineering shops
- Commercial spaces
- Heavy duty flooring

SUBSTRATE REQUIREMENTS

Concrete substrates must have a minimum compressive strength of 20 to 25 MPa, a minimum tensile pull-off strength of 1.5 MPa and be free of oil, fat, grease, dust, and loose friable materials.

Note: Any filling of blowholes / voids and surface levelling of substrate can be achieved using appropriate products within Technical Finishes Construction Range (please speak to one of our technical sales representatives).

Leading manufactures of specialist epoxy and polyurethane flooring systems, specialised construction and corrosion protection products.

Distribution facilities nationwide

Western Cape

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PREPARATION

Remove all previous coatings, unbonded concrete and laitance mechanically through diamond grinding, abrasive blasting or scarifying to obtain a sound and porous surface (sandpaper texture). Sweep dust and loose debris followed by vacuuming, to obtain a dry and dust-free surface. Wash with a degreasing cleaner for oily floors. Mark out existing control joints for post cutting once cured.

PRIMING

Ensure application conditions of 15 to 28°C.

Apply Solidkote 110 wet to dry epoxy coating over all areas to be covered with Polyscreed PMC Terrazzo at a rate of 4 m² / L or 250 µm. Solidkote 110 is applied with a PVA paint roller and will provide a firm bond between the old and the new concrete floor.

Solidkote STP should be considered as a primer if oils have impregnated the floor.

INSTALLATION:

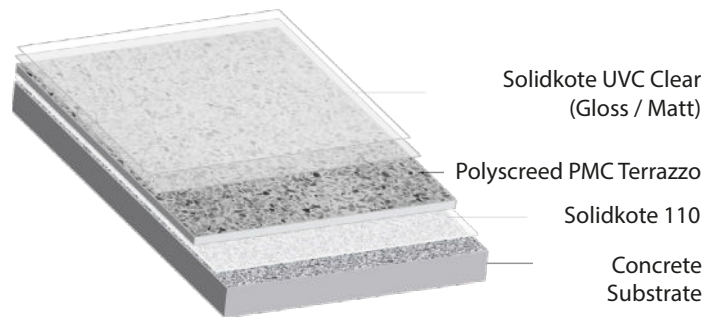
Ensure application conditions of 15 to 28°C. Ensure adequate lighting to achieve an even and level spread. Installation should not be attempted unless application team is fully trained.

Mixing

Mix the Polyscreed PMC Terrazzo kit as supplied (liquid first then aggregate) in a pan mixer or a conventional concrete mixer to produce a "dry mix" that when held in a clenched fist will feel moist but not release any liquid. The product must also stay in a firm ball and not crumble when released. If the mix is too wet, the mix will be tacky and could cause the screed to crack when drying.

Placing

Empty the mixture onto the primed floor and rake out between screed bars (used to demarcate the area to fill to 8 - 10 mm). Smooth out with a wooden float and straight edge to a level finish. Tap down and compact then power-float the surface. While compacting the surface as you power-float use a flick of Polyscreed Liquid mixed 1 : 1 with water to close the surface to a tight, dense finish. If hand troweling small areas, add a little more water to the Polyscreed mix to allow better workability.



Allow to dry (do not wet cure).

The next day cut through the demarcated control joints and grind surfaces to expose marble chips. Usually a three stage polishing system is employed to produce the desired result.

SEALING

Stain resistance is enhanced if the Polyscreed PMC Terrazzo surface is sealed. A penetrating sealer such as Solidkote UVC Clear is recommended.

MAINTENANCE

Regular cleaning extends the service life of the Polyscreed PMC Terrazzo system. Maintenance is to be carried out using Liquid Action which complies with SANS 1344 Medium Duty Solvent Detergent (2112/P3325/10/ID).

HEALTH AND SAFETY

Please read Safety Data Sheet and specific health and safety data for this product provided in compliance with the requirements of OHSA No.85 of 1993. The finished system is not hazardous to health or the environment.

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WARRANTY

Technical Finishes products are manufactured under high quality standards and are warranted against defective materials and are sold subject to standard Terms and Conditions of Sale, copies of which can be obtained upon request. Technical Finishes deals with approved applicators and carry a back to back warranty with these clients. Technical Finishes cannot be held responsible for the workmanship in surface preparation and application of our products, it is understood that the approved contractor will guarantee such workmanship and application. It is vital that the application is done in accordance to our specification.

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