

MARBLE-FLOW

Decorative Liquid Marble Resin Flooring System



Marble-Flow is a new generation pigmented three component decorative resin cement based floor finishing screed for the commercial and domestic market. It provides a very smooth, mottled finish, which is ready for sealing approximately 12 hours later.

UNIQUE PRODUCT BENEFITS

- Rapid hardness and strength development
- Hard-wearing with high decorative appeal
- Exceptional "colour movement" and colour selection
- Quick cure and hardness development

TECHNICAL DETAILS

Appearance	Pigmented cement coating
Working Time	20 to 25 min. @ 25°C
Application	Steel trowel
Walk On Time	8 hrs
Application Temperatures	10°C to 30°C
Yield	9.5 L per 15 kg kit
Coverage	Two coats required. First coat: 31 m ² @ 0.3 mm thickness. Second coat: 19 m ² @ 0.5 mm thickness.
Compressive Strength	30 MPa
Toxicity	Non-toxic, non-tainting
Shelf-Life	Powder: 6 months if kept in a closed container in a cool, dry place. Liquid: 6 months if kept in a closed container in a cool place.
Storage	Store the kit in a cool, dry place out of direct sunlight and where there is no exposure to damp and humidity.

PRODUCT COLOUR RANGE:



*Product colours may differ from the ones shown above. For a full colour chart or for samples, contact your nearest Technical Finishes branch. UV exposure yellowing is more prominent in light colours yet does not affect performance.

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

Distribution facilities nationwide

Western Cape

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Eastern Cape

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TECHNICAL FINISHES
SPECIALIST FLOORING AND CONSTRUCTION SOLUTIONS



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APPLICATIONS:

- Interior surfaces
- Semi-commercial flooring
- Domestic 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).

SUBSTRATE LEVELLING (OPTIONAL)

Apply **Flowline SL** to level the substrate prior to the application of **Marble-Flow**. Follow the application instructions on the Flowline SL technical data sheet.

PREPARATION

Remove all previous coatings, unbonded concrete and laitance mechanically through diamond grinding to obtain a sound and porous surface (sandpaper texture). Sweep dust and loose debris followed by vacuuming, to obtain a dust-free surface. Surfaces can be damp but not wet.

PRIMING

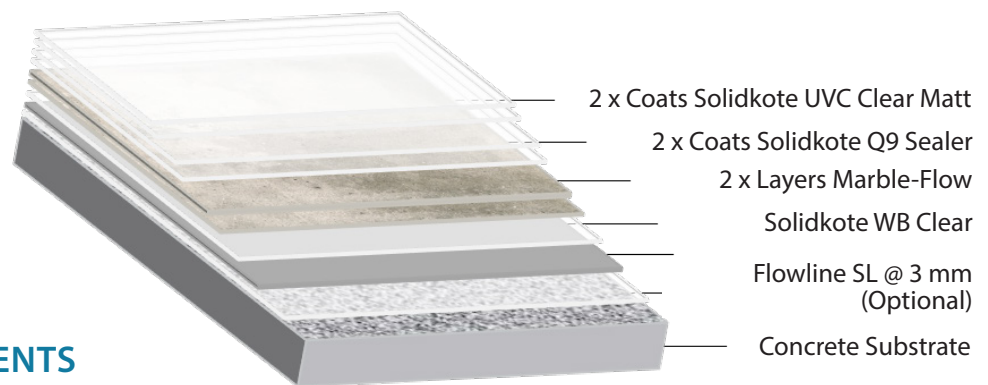
Ensure application conditions of 10 to 30°C. Prime with Solidkote WB Clear at 6 - 8 m² / L. Where necessary, apply a scraper coat of Marble-Flow to produce a level and evenly smooth finish.

INSTALLATION:

Ensure application conditions of 10 to 30°C. Ensure adequate lighting to achieve an even and level spread. Installation should not be attempted unless application team is fully trained.

Mixing

Open the aggregate bag (Part 3) before the mixing starts to ensure no time is wasted between mixes / kits.



Decant the full contents of the 4 L resin (Part 1) into a 25 litre bucket. Add the 1 L activator (Part 2) into the resin and mix for 30 seconds.

Add the 12 kg powder (Part 3) to the mixed liquid resin using mechanical stirring for 2 - 3 minutes to ensure a free flowing, lump-free fluid consistency.

Placing

Pour out the mix onto the demarcated area in a long ribbon. Don't keep the mixed material in the bucket for longer than necessary.

Using a rubber squeegee or steel trowel, spread the mix over the floor to a 0.3 mm thickness. Ensuring to cover the entire surface adequately and allow to cure for 4 - 5 hours.

Mix and apply the second layer at a thickness of 0.5 mm. Style the wet material with a steel trowel using spiked shoes paying careful attention to not leave trowel marks. Working time is 20 - 25 minutes per mix for best self-levelling results.

Depending on the temperature, allow to set hard overnight and then proceed with sealing the next morning.

SEALING

Stain resistance is enhanced if the Marble-Flow surface is sealed.

Solidkote Q9 Sealer, Colour Retainer (2 coats) and Solidkote UVC Clear Matt (2 coats)

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MAINTENANCE

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

CLEANUP

Wash all tools with soapy water before dry. Cured material must be removed with thinners or mechanically.

WATCH POINTS

- It is recommended that a sample panel is prepared for each project to ensure colour accuracy.
- Do not try and float the screed if setting time has been exceeded and the trowel ridges are already set hard.
- Do not add water to the mixed material as this will weaken the system performance.
- Mix as supplied.

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. Wear gloves when working with this product. Avoid direct skin contact.

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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