

SOLIDCOVE MORTAR

Epoxy Coving and Fairing Mortar

Solidcove Mortar is a 3-component, lightweight, highly filled, epoxy resin, coving and screed mortar system designed for an easy to trowel application on vertical surfaces and for forming covings before floor applications. Solidcove Mortar is highly chemical and abrasion resistant which makes it ideal as a lining system in areas subject to harsh conditions. Solidcove Mortar provides a strong and durable finish together with excellent abrasive resistance. It is the desired vertical surface and coving repair mortar prior to application of further epoxy or polyurethane top-coats.



BENEFITS:

100% SOLIDS

100% Solids, VOC free.



Excellent abrasion and chemical resistance.



*Easy to trowel, versatile.
Repair damaged concrete floors.*

*Fill holes and depressions.
Re-face joints.*

Smooth differences in levels.



Durable freeze thaw resistance.



Solvent free, low odour.



Easily cleaned, moisture impermeable.

TECHNICAL DETAILS

Appearance (Mixed)	Thixotropic, amber brown mortar
Pot Life	20 - 30 min.
Finish	Smooth gloss
Solids Content	100%
Yield	11 L
Substrate Moisture	< 5%, 80% RH
Coverage (Coving)	10 - 15 linear metres 50 mm x 100 mm x 3 mm
Coverage (Plaster)	3 - 4 m ² @ 3 mm
Cure Times	4 hrs tack free 16 hrs light traffic 7 day full cure
Application Temperature	15 - 35°C
Service Temperature	60°C
Apply By	Coving trowel
Bond Strength	> 1.5 MPa (concrete fails)

PACKAGING

3 components mixed to produce 11 L or 16.5 kg kit consisting of:

Resin (A) – 2.0 kg

Hardener (B) – 1.0 kg

Aggregate (C) – 13.5 kg

Gauteng

35 Activia Rd, Activia Park, Germiston, 1610
Tel: +27 11 822 7242

info@technicalfinishes.com

Kwa-Zulu Natal

5 Clark Rd, Westmead, 3608
Tel: +27 31 705 7733

Page 1 of 3

Western Cape

Cnr Gunners Circle & Fisher Ave, Epping 1, 7475
Tel: +27 21 535 4455

www.technicalfinishes.com

APPLICATIONS:

- Covings and bund walls
- Warehouses
- Machine shops
- Workshops
- Chemical plants
- Water treatment plants
- Storage areas
- Plant rooms
- Food and beverage facilities
- Health care and pharmaceutical plants
- Steel works

PRECAUTIONS

In areas of high chemical spillage or where steam cleaning is required, Solidcove Mortar should be given a suitable sealer / primer coat to reduce porosity. A high build topcoat for maximum protection and longevity such as Solidkote 215, Solidkote 216 "Stipple" or Solidkote WB.

TYPICAL USES

Placement of cove skirting between wall and floor typically at 25 - 50 mm radius away from the corner of the wall. The product may also be plastered on vertical surfaces and staircases to create a seamless, non-porous joint-free smooth, durable and hygienic finish.

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, laitance 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).

PREPARATION

Prepare the concrete surface by means of grinders, scarifiers or shot blasting to achieve an open textured surface.

PRIMING

Prime the surface with Solidkote UP Epoxy Primer depending on porosity of the substrate and moisture content.

INSTALLATION:

Installation should not be attempted unless application team is fully trained.

Solidcove Mortar should be applied directly onto partially cured primer (12 - 24 hours).

Mixing

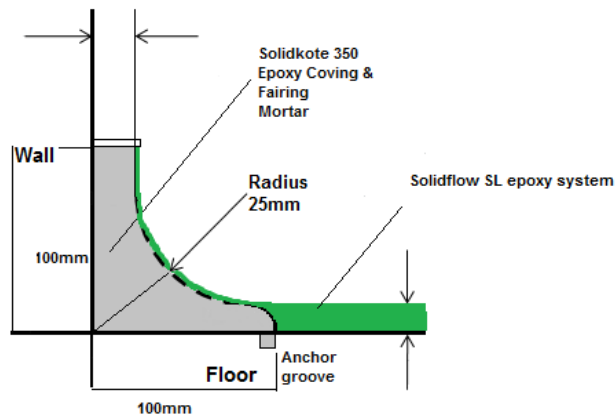
Mix the hardener component of the Solidcove Mortar well into the resin for a period of 1 minute until uniform in colour. Transfer the mixture into a 25 L bucket and add the aggregate slowly to the resin until a uniformly wetted mortar is produced. Mix for a further 3 minutes to ensure adequate mixing is achieved. Do not aerate the mix nor mix by hand.

Placing

Install an aluminium coving strip to the wall at the desired height using Techfin GP Epoxy paste. Alternatively, with the aid of a chalk line and a diamond disk cutting blade, cut an anchor groove into the floor and wall at a depth of 4 - 6 mm at the desired measurement to act as product termination lines.

Prime the surface to be coated including the anchor grooves with Solidkote UP Epoxy primer. Apply masking tape above the anchor groove on the wall for neatness. Apply the Solidcove Mortar mixture onto the partially set primer using a flat steel trowel, packing material into the corners. Then using the desired radius coving trowel (usually 25mm), shape the mortar running the trowel along the length of the cove. Ensure all trowel marks are removed and the surface is smooth. If material becomes tacky on the trowel, wipe it clean with Solidkote 505 Epoxy thinners and smooth again. Allow the coving to cure overnight before over coating.

SCHEMATIC CROSS-SECTION VIEW



CONCRETE REPAIRS AND PLASTERING

For concrete repairs the mix is spread to an even thickness and the surface closed using a steel float. For vertical surfaces the mixture is spread to an even thickness using a steel trowel. Allow the finished product to cure overnight before further coats or light trafficking.

CLEANING

Clean all tools and equipment with Solidkote 505 Epoxy thinners immediately after use. Cured product can only be removed mechanically.

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 suitable protection clothing and protective goggles. Please refer to the MSDS for further information containing physical, ecological, toxicological and other safety data.

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.

Gauteng

35 Activia Rd, Activia Park, Germiston, 1610
Tel: +27 11 822 7242

info@technicalfinishes.com

Kwa-Zulu Natal

5 Clark Rd, Westmead, 3608
Tel: +27 31 705 7733

Page 3 of 3

Western Cape

Cnr Gunners Circle & Fisher Ave, Epping 1, 7475
Tel: +27 21 535 4455

www.technicalfinishes.com