

2 to 3mm SELF-LEVELLING EPOXY FLOORING SYSTEM STONLUX SL WITH SL PRIMER

Ref # Date

REQUIREMENTS:

Proposed decorative flooring system for concrete floors, where a 2 to 3mm self-levelling, aggregate-filled, seamless, free-flowing slip resistant epoxy flooring system is required and where the floor will be exposed to foot traffic at ambient temperatures at (location).

SCOPE OF WORK (BOQ):

Apply **Stonshield SLT** as a 2 to 3mm self-levelling textured colour decorative flooring system. The system is made up of multiple layers of primer, coloured quartz and sealer coat. Inclusive of surface preparation, apply **Stonshield SLT** in strict accordance with the manufacturer's product data sheet.

THE STONSHIELD SLT SYSTEM CONSISTS OF:

	Product	Kit Size	Theoretical Coverage
Primer	SL Primer	20 Litre kit	3.3m ² /litre
Broadcast	Stonhard 6221 Aggregate	25kg	2.0kg/m ²
Undercoat	SL Primer	20 Litre kit	3.3m ² /litre
2 nd Broadcast	Stonshield 981C Aggregate	25kg	2.0kg/m ²
Sealer	Stonkote 787	15 Litre	3.3m ² /litre
Sealer	Stonkote CE4 (optional, if UV-stable finish is required)	5 Litre	5.0m ² /litre
Sealer	Stonseal CF7 (optional, if a matt finish is required)	5 Litre	8m ² /litre

TEMPERATURE:

Apply **Stonshield SLT** only in temperatures ranging between 16°C and 35°C.

SUBSTRATE PREPARATION:

Remove all oils, grease and other contaminants by scrubbing with **Carboclean 252** and rinsing with clean running potable water to obtain a water break-free surface. Allow to dry. Abrade the surface by grinding or vacublasting to expose the aggregate and open all voids. Remove thin coatings, reduce or smooth the surface profile – it will not give a surface pattern suitable for coatings unless followed by etching or vacublasting. The roughened surface should have a texture similar to 80-grit sandpaper, minimum tensile strength of 2 MPa and moisture content of 5% maximum. Refer to the product data sheet for additional surface preparation requirements.

PRIMING AND APPLICATION:

- Apply 2 coats of **SL Primer** wet-on-wet evenly to the floor with a squeegee at a theoretical coverage of 3.3m²/litre.
- Broadcast **Stonhard 6221 aggregate** onto the wet primer at a theoretical coverage of 2kg/m². Allow a minimum of 6 hours at 25°C to cure, sweep off all excess aggregate and discard. Vacuum off any unbound aggregate.
- Apply an undercoat of **SL Primer** evenly with a squeegee followed by rolling with a looped roller at a theoretical coverage of 3.3m²/litre. Broadcast 981C aggregate to rejection into the wet **SL Primer** at a theoretical coverage of 2kg/m². Allow a minimum of 6 hours at 25°C to cure, sweep off all excess aggregate and discard. Vacuum off any

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REFER TO THE LATEST PRODUCT DATA SHEETS BEFORE PRICING OR COMMENCING APPLICATION, FOR ADDITIONAL INFORMATION AND CAUTIONS CONCERNING PRODUCT USAGE.

StonCor Africa (Pty) Ltd
Co. Reg. No.: 1996/01848/07
Tel No: +27 11 254 5500
Website: www.stoncor.co.za
E-mail: stoncorsa@stoncor.com

unbound aggregate. Ensure dirt is not walked into the floor prior to sealing. The use of floor lights is critical to ensure even spread of the sealer is achieved.

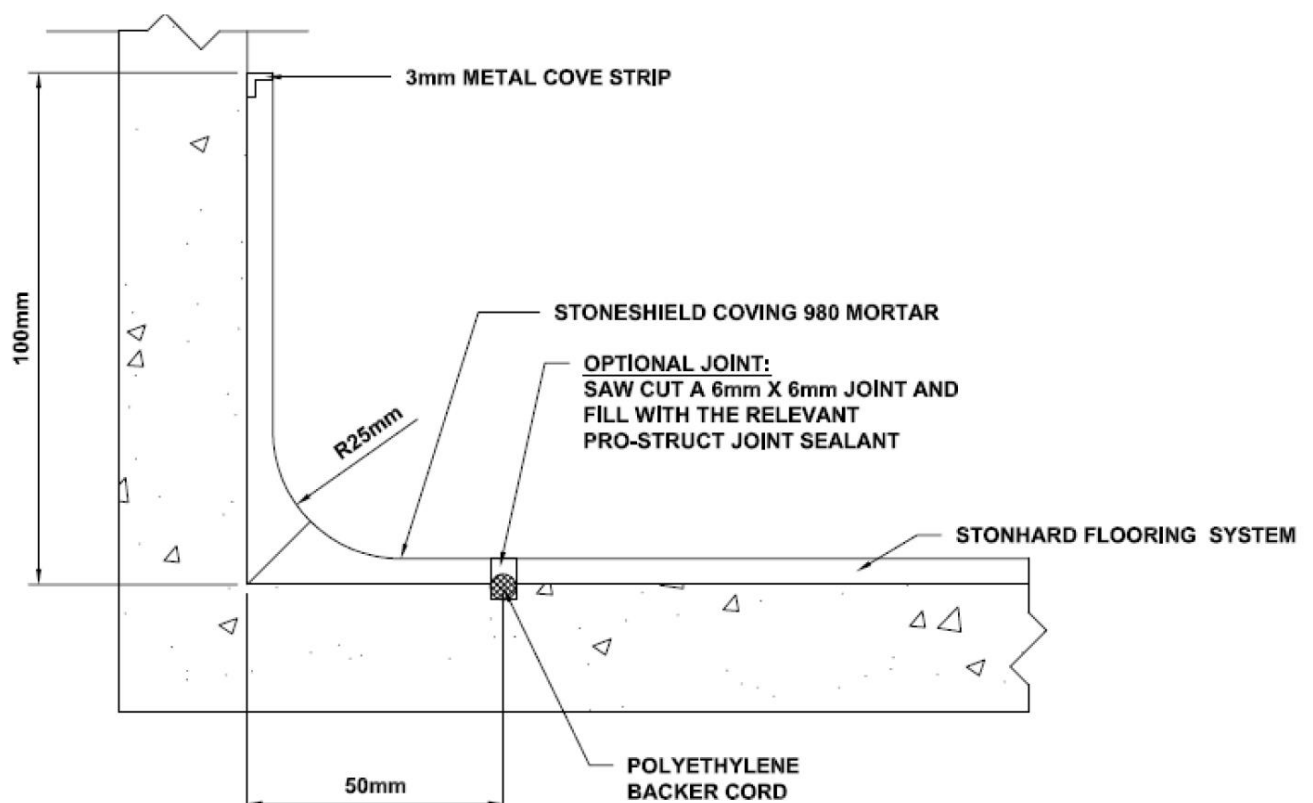
SEALING OF STONSHIELD SLT:

- Standard sealer indoors for no UV exposure.
- Apply 2 coats of **Stonkote 787** wet-on-wet using a non-marking rubber squeegee followed by rolling with a looped roller at a theoretical coverage of 3.3m²/litre. Final texture can be adjusted by increasing or decreasing the film thickness.
- **UV-stable Sealer:** Apply 2 coats of **Stonkote CE4** wet-on-wet using a non-marking rubber squeegee followed by rolling with a looped roller at a theoretical coverage of 5m²/litre. Final texture can be adjusted by increasing or decreasing the film thickness.
- **Optional Matt Finish – applied over Stonkote 787 or Stonkote CE4:** Apply 2 coats of **Stonseal CF7** at 8m²/litre, allowing a minimum of 2 hours at 25°C drying time between coats.

REFERENCE SAMPLE:

A trial reference sample should be installed by the applicator prior to the start of the contract to verify correct coverages, workmanship, appearance, colour and texture.

COVING:



APPLICATION PROCEDURE FOR EPOXY MORTAR COVERED SKIRTINGS:

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- Epoxy mortar coved skirtings shall be installed prior to the installation of the flooring system.
- Install the metal cove strip to the wall to the desired height using contact adhesive, taking care to mask above the cove strip for neatness.
- Prime the prepared plastered / concrete surfaces with **Stonshield 980** Resin A & B at a theoretical coverage of 20 linear metres x 150mm wide per 1 litre kit.
- Mix the 2.5 litre kits of Base and Activator of **Stonshield 980** Resin for 2 minutes using a JB blender. Add a 5 litre measured bucket (8kg) of **Stonshield 981C** aggregate and mix for a further 2 minutes. The yield of this kit is 6 litres. Using a steel trowel, apply the mixed mortar to the wet primed concrete and plastered surfaces to a theoretical spread rate of 10 linear metres for a 50mm x 100mm x 25mm radius.
- Form the cove to the desired radius using a suitable coving trowel, allow to cure for 4 to 8 hours at 25°C.
- Abrade the vertical surface of the cove to remove surface imperfections.
- Overcoat the coving with **Stonkote 787** or the specified sealer.

Technical Approval: _____

Date: _____

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