

DECORATIVE POWER TROWELLED EPOXY FLOOR SYSTEM STONBLEND LPT

Ref # Date

REQUIREMENTS:

Proposed decorative flooring system for concrete floors in the (area description), where a 3 to 4mm coloured quartz, power-trowelled floor screed is required exposed to typical cleaning chemicals found in the retail environment, foot traffic and occasional trolley traffic, where possible impact is expected at (project name and location)

SCOPE OF WORKS (BOQ):

Apply **Stonblend LPT** as a 3 to 4mm coloured quartz power-trowelled floor screed. The system is made up of coloured quartz bonded by epoxy resin. Inclusive of surface preparation, apply **Stonblend LPT** in accordance with the manufacturer's product data sheets.

THE STONBLEND LPT SYSTEM CONSISTS OF:

	Product	Kit Size	Theoretical Coverage
Primer	SL Primer	20 Litre kit	3.3m ² /litre
Broadcast Aggregate	Stonhard 6222	25kg	2kg/m ²
Slurry Coat	SL Primer	20 Litre kit	1m ² /litre
Coloured Broadcast	Stonblend 966C Aggregate	25kg	4.0kg/m ²
Sealer Coat	Stonkote 787	15 Litre kit	4m ² /litre
Matt Finish	Stonseal CF7 (optional)	5 Litre kit	8m ² /litre/coat

TEMPERATURE:

Apply **Stonblend LPT** only in temperatures ranging between 16°C and 34°C.

SUBSTRATE PREPARATION:

Remove oils, grease, existing coating, laitance and other contaminants. Abrade the surface by grinding to remove laitance and open all pores. The roughened surface should have a texture similar to 100-grit sandpaper, minimum tensile strength of 1.5 MPa and moisture content of 5% maximum. Refer to the product data sheet for additional surface preparation requirements.

MIXING:

Mix products in strict accordance with the product data sheet and standard mixing practice for solvent-free systems.

PRIMING:

- Drive steel nails into the existing joints and/or concrete cuts.
- Apply **SL Primer** to the prepared substrate at 3.3m²/litre on flat surfaces with a squeegee.
- Broadcast **Stonhard 6222** into- the wet **Stonblend LPT** slurry coat at 2kg/m² and allow to cure for a minimum of 6 hours at 25°C.
- Once cured, remove all loosely bonded aggregate.

The Applicator contracts with the Client to apply the coating system strictly in accordance with the specification, and is therefore required to monitor the quality of his own workmanship. Any deviations from the specification are for agreement between the Applicator and the Client. StonCor Africa acts in an advisory capacity only, to provide technical assistance to other parties, and does not inspect nor approve the quality of application and workmanship.

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

APPLICATION:

- Apply a slurry coat of **SL Primer** with a squeegee at 1m²/litre.
- Blind the wet slurry coat with **Stonblend 966C** aggregate at 4.0kg/m² and compact with a lightweight power trowel (ensure the use of spiked shoes).
- Cure for a minimum of 6 hours at 25°C. Once cured, the floor should be protected from contamination, i.e. dust and dirty boot prints.
- Remove loose aggregate and tightly bonded particles with a steel trowel or lightly abrade and sweep the surface with a firm broom.
- Using a white or non-marking squeegee, apply 2 coats wet-on-wet of **Stonkote 787** sealer coat at a rate of 4m²/litre (ensure the use of spiked shoes).
- Apply sufficient pressure to the squeegee, ensuring that only enough sealer coat is left to fill the porosity of the mortar.
- Cure for a minimum of 6 hours at 25°C.
- Evenly apply 2 coats of **Stonseal CF7** using a medium nap roller at 8m²/litre/coat (optional).
- Cure for a minimum of 6 hours at 25°C before opening to light foot traffic.
- Allow to cure for a minimum of 24 hours at 25°C before putting **Stonblend LPT** into operation.
- Remove the nails followed by saw-cutting. All expansion joints should be filled with the appropriate Stonhard sealant to cater for the slab's movement as per the engineer's design detail. For non-moving joints, seal with **Tammsflex 748** Sealer (as per the product data sheet).

REFERENCE SAMPLE:

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

ARCHITECT DETAIL:

- Coving
- Joints

Technical Approval: _____

Date: _____

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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