

## STONCLAD UL WITH STONPRIME 786 OPR

Ref #     Date

### **REQUIREMENTS:**

Proposed flooring system for concrete floors, where a 3 to 4mm self-levelling system is required and where the floor will be exposed to foot traffic, trolley jack and/or forklift traffic and moderate chemicals or oils at temperatures not exceeding 60°C wet or dry.

### **SCOPE OF WORK (BOQ):**

Apply **Stonclad UL** as a 3 to 4mm impact and chemical resistant self-levelling polyurethane urea cement floor screed. Inclusive of surface preparation and priming, apply **Stonclad UL** in strict accordance with the manufacturer's product data sheets.

### **THE STONCLAD UL SYSTEM CONSISTS OF:**

	Product	Kit Size	Theoretical Coverage
Primer	Stonprime 786 OPR	5 Litre kit	2.5m <sup>2</sup> /litre
Primer Aggregate	Stonhard 6223	25kg	2kg/m <sup>2</sup>
Flooring System	Stonclad UL	18 Litre kit	4.5m <sup>2</sup> /kit at 4mm 6m <sup>2</sup> /kit at 3mm
Optional Non-slip Sealer	Stonseal 722	5 Litre kit	7m <sup>2</sup> /litre/coat

### **TEMPERATURE:**

Apply **Stonclad UL** only in temperatures ranging between 16°C and 30°C.

### **SUBSTRATE PREPARATION:**

Proper preparation is critical to ensure an adequate bond. The substrate must be dry and free of all wax, grease, oils, fats, soil, loose or foreign materials and laitance. Laitance and unbonded cement particles must be removed by mechanical methods, i.e. abrasive blasting or scarifying. Other contaminants may be removed by scrubbing with a heavy-duty detergent (**Carboclean 250** or **Carboclean 252**) and rinsing with clean water. Previously contaminated substrates should be neutralised and thoroughly rinsed clean with potable water. pH checks with litmus paper should be carried out to confirm neutral substrates. The surface must show open pores throughout with main aggregate in concrete exposed and have a sandpaper texture. Substrate moisture content prior to coating should be below 5% and substrate tensile strength above 2 MPa. For recommendations or additional information regarding substrate preparation, refer to Surface Preparation data sheet or contact StonCor Africa Technical Service Department.

### **MIXING:**

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

### **PRIMING – STONPRIME 786 OPR:**

- Mark all existing joints and cracks by grinding steel nails into the joints / cracks.
- Vacuum the substrate before priming, ensuring the surface is dry.

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.

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- To enhance the resistance against the formation of blisters, ensure that a well-bonded main aggregate in the concrete is exposed during the abrasive blasting preparation procedure.
- Apply the primer to the textured substrate at 2.5m<sup>2</sup>/litre and broadcast **Stonhard 6223** evenly at 2.0kg/m<sup>2</sup>.
- Sweep off the unbound aggregate when cured and vacuum to ensure no loose particles exist.
- Once cured, continue with the specified coating system.

## **APPLICATION – STONCLAD UL:**

- The use of floor lights is critical during application to detect even spread and levelling of the finished product.
- Divide the floor into panels not greater than 5 metres wide. This will ensure that fresh product is continuously applied onto the wet edge of the previous kit.
- Apply kits of **Stonclad UL** at 4.5 to 6m<sup>2</sup>/kit by pouring the mixture in a line onto the floor and raking out using a notched trowel rake, spreading evenly to achieve the required thickness. This application should not take longer than 60 seconds.
- Spike roll each applied kit in a uniform direction for a full 5 minutes, ensuring a flat and even surface is achieved.
- Failure to follow a uniform spiking period and direction will lead to an uneven appearance.
- Do not spike roll each kit longer than 8 minutes after application.
- Allow the **Stonclad UL** to cure for a period of 12 hours at 25°C.
- Remove the nails followed by saw-cutting. All expansion joints should be filled with the appropriate Pro-Struct sealant to cater for the slab's movement as per the engineer's design detail. For non-moving joints, fill with **Tammsflex 748** joint filler (as per the product data sheet).

## **OPTIONAL NON-SLIP SURFACE:**

An easy cleaning, mild, non-slip finish can be achieved by overcoating with 2 coats of **Stonseal 722** Clear Sealer to achieve theoretical coverage of 7m<sup>2</sup>/litre/coat and allow to cure for 8 to 12 hours between coats.

## **REFERENCE SAMPLE:**

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

## **ARCHITECT DETAIL:**

- Coving
- Joints

Technical Approval: \_\_\_\_\_

Date: \_\_\_\_\_

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