

STONCLAD UF WITH STONPRIME 786 OPR

Ref # Date

REQUIREMENTS:

Proposed flooring system where a heavy-duty, non-slip, self-priming, 6 to 9mm industrial flooring system is required with no topcoat sealing. The product is environmentally green, and is thermal shock, impact and chemical resistant at (project name and location).

SCOPE OF WORK (BOQ):

As a heavy-duty flooring screed, apply **Stonclad UF** to the required thickness (6 to 9mm), finished off with a textured non-slip finish. Inclusive of surface preparation, apply the primer and **Stonclad UF** in strict accordance with the manufacturer's product data sheets.

THE STONCLAD HF SYSTEM CONSISTS OF:

	Product	Kit Size	Theoretical Coverage
Primer	Stonprime 786 OPR	5 Litre kit	3.3m ² /litre
Flooring System	Stonclad UT Base, Stonclad UF Activator, Stonclad UF Aggregate and Stonclad UT Pigment Pack	14 Litre kit	2.33m ² /kit at 6mm 1.55m ² /kit at 9mm

TEMPERATURE:

Do not attempt to install this material unless application team is fully trained and understands the requirements of working with materials with short application times within the specified temperature range. Substrate and material temperature are to be within 10 to 30°C.

SUBSTRATE PREPARATION:

Stonclad UF can be applied over properly prepared concrete surfaces which are even and do not require renovation. The substrate must be dry and free of all wax, grease, oils, fats, loose or foreign materials and laitance. Laitance and unbonded cement particles must be removed by mechanical methods, i.e. abrasive blasting or scarifying. The surface must show open pores throughout with main aggregate in concrete exposed, and have a coarse sandpaper texture. Retaining slots, 6mm x 6mm, must be cut running 75mm from and parallel to the walls, edges and both sides of joints. If weak, friable substrates exist, they should be removed and repaired with **Euco Versaspeed LS100**. Product can be laid on 1 to 2 week old concrete, provided a minimum tensile strength of 2.0MPa has been achieved. For recommendations or additional information regarding substrate preparation, please consult StonCor Africa's "Surface Preparation Methods".

PRIMING – STONPRIME 786 OPR:

- Vacuum the substrate before priming, ensuring the surface is dry.
- 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 2.5m²/litre and broadcast **Stonhard 6225** evenly at 2.0kg/m².
- Sweep off the unbound aggregate when cured and vacuum to ensure no loose particles exist.
- Once cured, continue with the specified coating system.

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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MIXING:

Mixing stations must be set up to deliver a kit of material to the applicators every 3 minutes. A well displayed clock is necessary to ensure consistent supply and mixing times. Remove all lids from resin components and open pigment packs and aggregate bags. Two 25 litre clean dry mixing drums must be available. Spiral impellers fitted to a high torque, variable speed 600 rpm mixer should be used for thorough mixing.

Empty the entire contents of the part B and part A components into the 25 litre container. Mix mechanically for 30 seconds, then add the pigment pack and continue mixing for a further 30 seconds. Pour in the **Stonclad UF** aggregate and mix for another 90 seconds. Immediately send the mixed material to the application floor area and within 30 seconds start another mix in the second 25 litre container. Every 3 minutes a new batch should be made.

APPLICATION:

- The use of screeding rails is recommended during application to ensure even spread and levelling is achieved.
- Divide the floor into panels not greater than 5m wide. This will ensure that fresh product is applied onto the wet edge of the previous kit.
- Apply one kit of **Stonclad UF** by pouring the mixture in a line onto the floor and raking out using a 15mm notched trowel, or screeding rails with a straight edge, spreading evenly at specified thickness. This application should not take longer than 2 minutes.
- Level out the material to an even finish by floating with a flat plastic trowel.
- If a less textured finish is required, lightly roll the trowelled surface with a loop roller. This process is carried out immediately behind the applicator trowelling the material level, whilst still wet and fresh.
- Do not re-roll material after 6 minutes of application.
- Allow to cure for 12 hours at 25°C before re-cutting joints and sealing.

COLOUR UNIFORMITY:

Erratic periods of mixing and variable times of solvent rolling will lead to an uneven colour and non-uniform appearance. The use of a well displayed clock and fully trained staff is essential.

CURING:

If temperatures are between 16°C to 30°C, the flooring system can be exposed to light traffic after 24 hours. Excessive traffic, aqueous cleaning and exposure to aggressive chemicals should only take place after 4 to 5 days, when full cure has been achieved.

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.

Technical Approval: _____

Date: _____

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