

POLYURETHANE FLOOR SCREED SYSTEM STONCLAD UT-JRM

Ref # Date

REQUIREMENTS:

SCOPE OF WORKS (BOQ):

Apply **Stonclad UT-JRM** as a 30mm high impact, thermal shock and vehicle trafficable self-priming polyurethane urea mortar screed. Inclusive of surface preparation, apply **Stonclad UT-JRM** in strict accordance with the manufacturer's product data sheets.

THE STONCLAD UT-JRM SYSTEM CONSISTS OF:

	Product	Kit Size	Theoretical Coverage
Trafficable Mortar Screed	Stonclad 950 Base, Activator, Part C Aggregate and 12.5kg Pro-Struct 53MC Stone Stonclad 950 C2 Pigment Pack	16 Litre unit	1m ² at 10mm thick = 10 litres 1m ² at 30mm thick = 30 litres/m ²

TEMPERATURE:

Apply **Stonclad UT-JRM** only in temperatures ranging between 16°C and 30°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 scarifying to remove the laitance, open all voids and expose the aggregate to a depth of 2 to 5mm. The roughened surface should be a dust-free, sound concrete surface with a portion of the main aggregate in the concrete exposed. A minimum tensile strength of 2 MPa and moisture content of less than 5% is required. Additional anchor grooves, 6mm wide x 6mm deep, are to be cut across the ramp at 100mm centres. Refer to the product data sheet for additional surface preparation requirements.

MIXING:

Empty the entire contents of **Stonclad UT Parts A and B** into a 25 litre drum. Using a high torque 600 rpm mechanical mixer fitted with a large mortar spiral impeller, blend Parts A and B for 60 seconds. Whilst stirring, add Part C2 Pigment Pack and the 20kg bag of Part C into the drum and mix for a further 60 seconds. Whilst still mixing, add the 12.5kg **Pro-Struct 53MC Stone** to the drum and mix for a further 30 seconds, ensuring all aggregates are thoroughly wetted. Immediately send the mixed material to the application area and start mixing in another drum if extent of repair requires it.

APPLICATION PROCEDURE FOR STONCLAD UT-JRM POLYUREA SCREED – 30mm:

- Apply the material with suitable handheld trowels or screeding bars. The mortar is levelled and compacted with a straight edge and steel trowel to smooth the surface level and to required thickness. The trowel can be wiped clean

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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with Carboline Thinner # 10 during the surface smoothing process. Do not re-trowel the material 10 minutes after application. It is recommended that the screed be cast in widths of 1.000m wide, starting from the bottom kicker.

- Within 5 minutes of spreading and levelling the material to the required thickness, roll the surface with a yellow sponge roller, floating the pigmented resin to the surface to give a uniform textured appearance. New batches of material should always be incorporated within 3 to 4 minutes into the wet edge of the previously trowelled screed to ensure no “cold join” lines appear.
- Allow to cure for a minimum of 8 hours at 25°C for pedestrian traffic, and 24 hours for vehicle traffic.
- **A trial reference sample should be installed by the applicator prior to start of contract to verify correct dry film thickness, coverages, workmanship, colour and texture.**
- **NOTE: The grey colour of the newly laid screed will discolour over time. The resin rich surface can be grinded, as to create a more concrete-like surface. This will however change the surface texture, which must be approved by the client as to the slip resistance required.**

Technical Approval: _____

Date: _____

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