

100% VOLUME SOLIDS CHEMICAL RESISTANT FILM COATING STONKOTE HT4 WITH STONDRI MVT

Ref # Date

REQUIREMENTS:

Proposed 100% volume solids, chemically resistant epoxy coating for concrete vertical surfaces, where a thin film, abrasion resistant, easily cleanable coating system is required. The coating will be applied in dry conditions not exceeding 93°C continuous and 121°C intermittent and will be exposed to occasional splash and spillage of sodium chloride brine.

SCOPE OF WORK (BOQ):

Inclusive of surface preparation, apply **Stondri MVT** and **Stonkote HT4** in strict accordance with the manufacturer's product data sheets.

THE STONDRI MVT / STONKOTE HT4 SYSTEM CONSISTS OF:

| Product | Kit Size | Theoretical Coverage |
|---------------------|-------------|-----------------------------------|
| Stondri MVT | 5 Litre kit | 2.5m ² /litre at 400µm |
| Stonkote HT4 | 2 Litre kit | 4m ² /litre |
| Stonkote HT4 | 2 Litre kit | 4m ² /litre |

NOTE:

See attached product data sheet for the Chemical Resistance Guide, which includes percentages.

TEMPERATURE:

Stondri MVT: Do not attempt to install material if temperature of components and substrate are not within 16°C to 30°C.

Stonkote HT4: Apply only in temperatures ranging between 18°C to 30°C. Do not apply in direct sunlight.

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 to remove laitance, open all voids and expose the aggregate to a depth of 1 to 2mm. The roughened surface should be dust-free and sound. A minimum tensile strength of 1.5 MPa and moisture content of less than 5% is required. On green concrete, the design strength must be at least 25 MPa and have been in place for 5 days to allow for sufficient strength build and surface drying prior to surface preparation.

APPLICATION – STONDRI MVT:

- The product must be installed at a minimum thickness of 400 microns.
- Use a wet film gauge to record thickness. Failure to do so will limit the product's performance.
- **Stondri MVT** is applied using a 1mm notched rake.
- Pour a bead of **Stondri MVT** out onto the substrate and, utilising the notch rake, apply at a minimum of 400 microns.

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.

- A saturated nap roller should be used in conjunction with a squeegee to even out the material to a uniform colour and ensure proper thickness.
- If there are any bubbles, voids or areas of exposed concrete in the **Stondri MVT** after its cure, they must be patched using the material.
- There must be a continuous barrier of **Stondri MVT** material, at least 400 microns across the entire concrete surface bonded onto the main aggregate in the concrete in order to ensure proper moisture mitigating performance.
- **Stondri MVT** must be applied in strict accordance with the requirements as stated on the product data sheet.

APPLICATION – STONKOTE HT4:

- **Stonkote HT4** is applied with a rubber squeegee and backrolled with a medium nap roller.
- The roller is used to remove squeegee lines and smooth out surface, leaving a slightly textured, mild, non-slip finish.
- A brush may be used where necessary.
- **Stonkote HT4** may be applied at a variable thickness ranging from 100 to 330 microns dry film thickness.
- Each additional coat may be applied when the surface is tack-free, approximately 4 to 5 hours.

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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