

## TECHNICAL DATA SHEET

### **HARDCRETE 303**

#### ***Skim Mortar Screed 3mm Thickness at 3000 psi***

#### **PRODUCT DESCRIPTION:**

**HARDCRETE 303** is a two-component, skim-smoothing ultra-paste compound specially formulated to be mixed with a select cement blend for rendering and finishing uneven concrete surfaces and pre-cast concrete panels. When mixed with cement blend, the product exhibits very good trowelability application and excellent bond to the concrete surface. It is designed for indoor and outdoor use as a skim smoothing up to 3 mm for walls and light traffic floors.

#### **CUSTOMER BENEFITS:**

- Excellent bond to the concrete substrate
- Application thickness up to 3 mm
- Good trowel ability
- Smooth finish – important for the application of decorative finish
- Serves as an initial coat for painting purposes
- Yields homogeneous paste that eliminates surface crack lines

#### **RECOMMENDED FOR:**

- Thin plastering of interior and exterior walls and ceiling
- Filling pinholes prior to overcoating
- General re-profiling over large areas of concrete up to 3 mm.

#### **METHOD OF APPLICATION**

##### **SURFACE PREPARATION**

The surface must be sound, smooth, and free from dirt, dust, oil, and other types of contamination. All loose particles, old mortar, dirt, laitance, paint, etc. must be removed by brushing with a stiff wire brush or other suitable means.

##### **MIXING**

Stir Part A (liquid) before mixing with Part B (powder). Mix equal volumes of Part A and Part B until a homogenous paste is achieved. No water must be added.

#### **PRODUCT PREPARATION**

Sieve the white or gray cement for uniform particle size and to eliminate agglomerates and lumps. Use an electric mixer in order to ensure a homogenous lump-free mixture. Do not add water while mixing or after the mixture is achieved.

#### **APPLICATION**

Apply the mixed **HARDCRETE 303** to the prepared surface using a steel trowel up to 3mm thickness. Allow 2 – 3 hours between coats depending on the temperature. Do not proceed with the application when rainfall is imminent unless in a sheltered or protected situation.

#### **FINISHING**

Plastic floats may be used to achieve the desired surface texture, but care should be taken not to overwork the surface.

#### **CAUTION**

- Temperature range for use 5°C to 40°C
- Immediately clean tools with water before the product dries
- In hot weather conditions, protect the finished surface from drying out by lightly misting the surface.
- Do not immerse the product.

#### **TECHNICAL DATA:**

Appearance	: Off-white paste
Paste Density	: 1.35 ± 0.05 K/L
Mixed density (1 Part A : 1 Part B)	
	: 1.90 ± 0.10 kg/liter
Paste Viscosity	: 12,000 – 13,000 cps
pH paste	: 7-8
Pot life	: Approx. 1 – 2 hours
	Depending on the temperature
Compressive strength: ASTM C109	
7 days	: 2,500 psi
28 days	: 3,200 psi

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#### **ESTIMATING DATA**

Recommended coverage:

0.65 – 0.85 kg/m<sup>2</sup> at 1 mm thickness

**Note:** *The coverage rates provided above are for guidance purposes only. Actual usage may vary depending on the specific substrate conditions and application methods.*

#### **PACKAGING**

**HARDCRETE 303** is supplied in a 20 kg set pail.

#### **STORAGE AND HANDLING**

**HARDCRETE 303** has a shelf life of 15 months if kept in a dry covered area in an original unopened container. Store in a cool and dry place. Immediately close tightly the lid of the container when not in use.

#### **PRECAUTIONS**

##### **HEALTH AND SAFETY**

**HARDCRETE 303** is non-toxic. Wear suitable protective clothing, gloves, and eye protection. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If swallowed, seek medical attention immediately – do not induce vomiting.

**HARDCRETE 303** is non-flammable.

Refer to the latest Safety Data Sheet (SDS) for comprehensive safety information on the proper handling of this product.

##### **WARRANTY AND DISCLAIMERS**

*The information provided in this technical data sheet is based on our best knowledge and testing methods. Any product use outside of specifications or improper storage or installation voids any warranty. Users are encouraged to conduct their own testing to assess product suitability. Always consult the product's safety data sheet (SDS) for safety guidelines and follow recommended precautions. We reserve the right to update this data sheet without notice, and users should ensure they have the latest information.*