



ONE UNIT = ONE TREE

VURA[®]

Time To Build Better

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VURA MaStik[®]

METHOD STATEMENT

Single component, fibre reinforced cementitious mortar for waterproofing and concrete protection. It has very high water permeability against hydrostatic pressure with standing capacity. It is to be mixed with water and applied by brush or trowel.

1. SUBSTRATE PREPARATION

- 1.1 The mineral substrate must be even, solid, load-bearing, clean, crack-free and free of substances that may impair adhesion.
- 1.2 The surface must have a rough, open pored structure with good grip.
- 1.3 The surface should be clean and free from dirt, oil or grease before application.
- 1.4 Cove all corners with a moulding of at least 2 cm radius.
- 1.5 Repair any defects, screed over rock pockets and fill mortar joints, with Vura mortar products.
- 1.6 Enlarge the cracks and fill them with polymerized cement mortar alternatively with epoxy resin.
- 1.7 If the brickwork is uneven with numerous projections and defects, produce a levelling render made of cement mortar.
- 1.8 **VURA MaStik** requires pre-wetting of the substrate before application, avoiding formation of puddles.
- 1.9 When waterproofing wall and foundation areas indoors or outdoors, e. g. in the case of rear penetration of moisture, pre-treat the areas with Vura products.
- 1.10 When waterproofing from negative side, the substrate must have sufficient mechanical strength.

2. MIXING AND APPLICATION

- 2.1 **VURA MaStik** is prepared with clean and clear water @ 30-32% water ratio i.e. 6-6.4 L water for 20kg bag.
- 2.2 **VURA MaStik** shall be mixed with heavy duty slow speed drill / stirrer at a low speed not to exceed 500 RPM fitted with mortar mixing paddle until it becomes homogenous and free of lumps.
- 2.3 Slowly add the powder to the water and continue mixing for minimum of 4-5 minutes in order to obtain a homogenous, creamy and lump free paste.
- 2.4 Stop mixing for five minutes and re-mix for further 1 minute, the paste is ready for use.
- 2.5 The consistency of the mortar should be adjusted according to the application.
- 2.6 The quantity obtained must be applied within 1 hour.
- 2.7 Prior to product application wet the surface / substrate
- 2.8 The first layer will be applied consistently with a brush or trowel on the wetted surface.
- 2.9 When successive layers are applied, the next layer must only be applied when the previous layer is hardened, Interval time between two coat is approx. 4-5 hrs.
- 2.10 Work must not be interrupted for more than 12 hours.
- 2.11 Do not apply the **VURA MaStik** to a substrate that shows the signs of standing water on the surface.
- 2.12 Apply second coat after First coat is dry to touch, perpendicular to the direction of the first coat.
- 2.13 The Wet Film thickness per coat should be between 0.8 mm to 1.00 mm



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- 2.14 The freshly applied product must be protected against drying too fast.
- 2.15 The coating can be walked on after two days; however, even after complete hardening, the coating must not be directly exposed to heavy mechanical loads.
- 2.16 Keep the freshly applied coating in the wet conditions for at least 3 days.
- 2.17 Protect **VURA MaStik** against rain for at least 24 hours.
- 2.18 Tiles, plasters or flooring can be applied on a layer of **VURA MaStik** after 7 days at the earliest from drying out too quickly, frost and precipitation.
- 2.19 Installation of covers protecting from direct sunlight, draughts, rain and frost is recommended.

3. PLEASE NOTE

- 3.1 Protect the waterproofing coat against damage. Do not cover it with gypsums materials.
- 3.2 When covering the waterproofed surface with tiles, always use a tile adhesive of minimum quality C 2.

4. PRECAUTIONS

- 4.1 In hot, windy and very sunny weather, It is recommended to spray the surface with water to prevent rapid / fast evaporation of mixing water.
- 4.2 When used in contact with drinking water, ensure **VURA MaStik** completely hardened respecting the suggested waiting times and Then thoroughly clean all the surfaces and remove all the water used for cleaning before tiling
- 4.3 Not recommended over moving joints and structures subjected to movements.
- 4.4 Do not apply on dry substrate.

REQUIRED EQUIPMENT

- Slow speed mixing drill fitted with mortar mixing paddle
- Adequate power source
- Flat trowel / Scraper / Spatula or filling knife
- Hard and short bristle Brush
- Clean water
- Clean rust free and empty buckets

APPROVAL AND VARIATIONS

This method statement is offered by Vura Bau-Chemie LLP as a 'standard proposal' for the application of **VURA MaStik**. It remains the responsibility of the Engineer to determine the correct method for any given application. Where alternative methods are to be used, these must be submitted to Vura Bau-Chemie LLP for approval, in writing, prior to commencement of any work. Vura Bau-Chemie LLP will not accept responsibility or liability for variations to the above method statement under any other condition.

- TECHNICAL DEPARTMENT