



ONE UNIT = ONE TREE

VURA[®]

Time To Build Better

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VURA MaStik+[®]

METHOD STATEMENT

Vura MaStik + is an elastomeric flexible, two component acrylic modified cementitious coating applied by brush, roller or trowel to waterproof concrete, masonry and other construction materials.

1. SURFACE PREPARATION

- 1.1 The surface should be clean and free from dirt, oil or grease before application
- 1.2 Ensure that the substrate is flat, stable, well adhered, and has a normal absorption.
- 1.3 Concrete surfaces shall be cleaned using high pressure water jetting, grit blasting or other methods approved by the Engineer.
- 1.4 In case of undulations, correct the local undulation/damage on the substrate at least 48 hours before the application.
- 1.5 To get flat substrate; prepare sand cement mortar using **VURA SBR / SBR+** for better performance.
- 1.6 Any debris / mud or trash on the surface of the Concrete to be removed and cleaned by water jetting. Arises shall be rounded off and surface protrusions shall be ground down to ensure a smooth substrate. Honey comb / Blow-holes shall be filled using Sand Cement patch repair mortar using **VURA SBR / SBR+** with trowellable consistency, scraped tightly into the saturated surface to seal the holes.
- 1.7 Dampen the wall or floor before application. Remove excess water before application
- 1.8 The proper preparation of the surface will make the application easier & quicker ensuring a better result
- 1.9 New concrete is recommended to be 1 month old and completely dried before application.

2. MIXING

- 2.1 Take 5 kg Liquid (Part B) in to a clean mixing bowl or bucket and add 15 kg Powder (Part A) of **Vura MaStik+**.
- 2.2 Slowly add the powder to the liquid and mix, using a slow speed (300-500rpm) drill fitted with a suitable paddle. Do mix the material which can be used in 30 minutes.
- 2.3 Stir properly for 5 minutes by an electric stirrer to get a smooth & homogeneous slurry mixture. After stirring wait for 5 minutes, stir once again
- 2.4 Ensure that no powder, lumps particle and unmixed material left in the mixture.
- 2.5 Use the mixed material within 30 minutes at 23°C and 50% R.H.

3. APPLICATION

- 3.1 Use the appropriate tools like brush / roller / flat trowel to spread the material uniformly
- 3.2 Ensure that first coat applied properly to cover all the areas of substrates without any gap. Allow first coat to dry completely for 4-5 hrs before application of 2nd coat.
- 3.3 Apply second coat after First coat is dry to touch, perpendicular to the direction of the first coat. The Wet film thickness per coat should be in between 1.0 mm to 1.25 mm
- 3.4 Wait for at least 7 days for complete curing after applying **VURA MaStik+**.
- 3.5 Clean tools and other items immediately after the use.
- 3.6 Consumption - Approx. 1.9 kg/m²/mm thickness.



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4. NOTES ON APPLICATION / LIMITATIONS

- 4.1 Do not add water, aggregates or any binders during the application.
- 4.2 If mixture is already hardening; do not use water or Part B liquid component to make usable again. Always add powder to liquid and never add liquid to powder.
- 4.3 Do not add any other materials or substances like sand, aggregates, cements etc to the product. It may adversely affect the performance of product.
- 4.4 Protect from rain and water spillages for the first 48 hours after two coats of application.
- 4.5 Protect the waterproofing coat against damage with protective mortar. Do not cover it with gypsums materials.
- 4.6 To improve further elongation & crack bridging ability, polypropylene fiber mesh / non-woven fabric can be used between 2 coats of **Vura MaStik+**.

REQUIRED EQUIPMENT

- Slow speed mixing drill fitted with mortar mixing paddle
- Adequate power source
- Scraper / Spatula or filling knife
- Brush / Roller / Flat Trowel
- Ample amount of clean water
- Clean rust free and empty buckets
- Chizzle / Hammer
- For cleaning as per site condition, high pressure water jetting, grit blasting or other methods approved by engineer.

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