ONE UNIT = ONE TREE

VURA
Time To Build Better

VURA Flex S1™ METHOD STATEMENT

Deformable cementitious, polymer fiber modified adhesive with improved characteristic, slip resistance and extended open time. High performance adhesive for installing vitrified tiles, large scale tiles as well as natural stones. It can be used to fix regular size tile in commercial area as it accommodates shocks due to heavy traffic. Complying to EN 12004 / ISO 13007 class C2TE S1 and Type 3 T S1 as per IS 15477- 2019.

1. SURFACE PREPARATION

1.1 Clean the surface and remove any un-sound or loose material

1.2 Surface to be tiled should be sound, clean, and free from dust or other contaminants such as cement laitance, form release agent and curing compound that could impair adhesion.

1.3 For plastered surfaces make sure to brush off any plaster dust using stiff brush

1.4 In case of moisture sensitive stone the maximum moisture content of the substrate shall not exceed 2% when measured by Carbide Hygrometer.

1.5 For highly absorbent surface, make sure to prime the surface with VURA Primer or shall be dampen and remove excess water.

1.6 For Absorbent natural stone, It is recommended to use VURA FiSeal Five side sealer.

2. MIXING

2.1 Pre measure 4.4 - 4.8 liters of clean water per 20kg of **VURA Flex S1** Grey/White as per 22-24% ratio by weight, and pour into a suitably sized container.

2.1 Pre measure 8.8 - 9.6 liters of clean water per 40kg of **VURA Flex S1** Grey/White as per 22-24% ratio by weight, and pour into a suitably sized container.

2.2 **VURA Flex S1** shall be mixed using a heavy duty slow speed drill at a low speed not to exceed 500 RPM fitted with a mortar mixing paddle.

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.

3. APPLICATION

3.1 Select the appropriate notched trowel based on the size of the tile/stone.

3.2 Using the smooth side of a notched trowel apply a layer of adhesive on the substrate and work the adhesive vigorously into the substrate, in order to eliminate any dust that may be on the surface.

3.3 Using a suitable notched trowel immediately apply the adhesive to the required thickness on the substrate.

3.4 Back-butter the back of the tile by applying, a suitable amount of adhesive using the straight edge of the trowel. Where required for leveling purposes, a higher build of the adhesive could be applied using a notched trowel.

3.5 Place the tile/stone onto the fresh layer of adhesive with a twisting motion while the mortar is still wet and workable and fully embed it using a rubber mallet.

3.6 Periodically check to ensure that full adhesive coverage has been achieved by carefully and immediately removing the tile and visibly checking. If full coverage has been achieved re-fix the tile carefully as above.

3.7 If any voids are noticed apply further adhesive to the localized areas in order to achieve full coverage and replace the tiles as above. Where required for leveling purposes, a uniform higher build of the adhesive could be applied using a notched trowel in order to avoid any localized high spots within the adhesive under the tiles.

3.8 Remove any excess material in the joint in order to ensure the proper depth of the subsequent re-grouting of the joint.

3.9 The area should be completely protected from pedestrian traffic or any other disturbances for a period of 24 hours at 23°C.

REQUIRED EQUIPMENT

- Slow speed mixing drill fitted with mortar mixing paddle
- Adequate power source
- Flat trowel / Scraper / Spatula or filling knife
- Notched trowel
- Clean water
- Clean rust free and empty buckets
- Rubber mallet

APPROVAL AND VARIATIONS

This method statement is offered by Vura Bau-Chemie LLP as a 'standard proposal' for the application of **VURA Flex S1**. 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