



**VURA**<sup>®</sup>

Time To Build Better

INDIA | UAE | ESTONIA

# VURA **Fastone S2**<sup>™</sup>

## S2 Premium Flexible

Highly flexible, polymer fibre modified special adhesive mortar for installing vitrified and natural stone slabs with high safety reserves.

### CHARACTERISTICS

- C2 TE S2 compliant with EN 12004 standard
- Type 4 T S2 as per IS 15477-2019
- For use on difficult substrates
- For tile and stones of size more than 1200 x 1200 mm
- For indoor and outdoor use
- Application up to 15mm



Natural Stone



Heated Floors



Balconies & Patios



Wall And Floor



Large Tiles



Humid & Water Areas



Indoor & Outdoor Use



Tile On Tile



Low Dust



Difficult Substrate



Critical



Super Elastic

### SCOPE OF USE

**VURA Fastone S2** is a highly deformable adhesive mortar with a deformation of more than 5 mm (class S2) for the highly load bearing, cavity-free installation of

- Vitrified tiles and slabs as well as porcelain stoneware and Cotto
- Cast concrete slabs
- Natural stones with a low tendency to discolor
- Glass tiles, glass mosaics and mosaics
- **VURA Fastone S2** is suitable for indoors and outdoors using the thin- bed or medium-bed method.

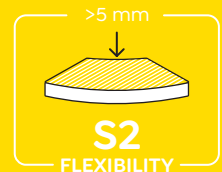
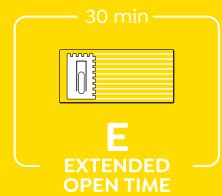
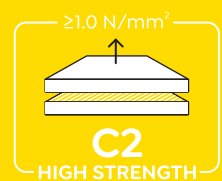
Especially useful for the reliable installation of large tiles and slabs thanks to the very high adhesive tensile strength and the stress-absorbing properties. Also, for use on thin slabs made of porcelain stoneware with or without fiberglass mesh on the back.

**VURA Fastone S2** ensures a highly flexible adhesive bed and prevents shear stresses, especially on difficult substrates.

For indoor and outdoor use, e.g. on

- Heated screeds and panel heating systems, cellular concrete, dry screeds, balconies, terraces and facades, especially on green precast concrete units (minimum age 2 months)
- Tile backer boards

**NEW FIBRE POWER**  
STRONG & FLEXIBLE



Compliance With  
**IS 15477**



**Vura Bau-Chemie LLP**

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## SUBSTRATE PREPARATION

VURA FasTone S2 adheres to all sound, load-bearing, clean, dry and damp substrates free of substances which may impair adhesion. Remove coatings of insufficient bearing strength.

Indoor use:

Use SuPrima to prime calcium sulphate screeds (gypsum/anhydrite screeds, mechanically roughened and freed from dust, residual moisture:  $\leq 0.5\%$ , heated screeds  $\leq 0.3\%$ ), cellular concrete and other absorbent substrates.

Prime the non absorbent substrates, tiles, natural stone floors and firmly adhering coatings.

Outdoor and indoor use:

Plasters of mortar groups P II and P III (at least 14 days old), cement screeds (at least 28 days old, residual moisture  $< 2\%$ , heated screeds  $< 1.8\%$ ) and in-situ concrete (at least 28 days old) can be directly covered with tiles / stones.

## APPLICATION

Mix VURA FasTone S2 with clean, clear water and stir until the mixture is completely free of lumps. Leave the mortar to mature for approx. 5 minutes and then stir again. If necessary, add small amounts of water until the desired consistency is reached.

Apply FasTone S2 according to the generally recognized rules of the thin-bed resp. medium-bed method or use the buttering-floating method. Allow for a skin formation time of approx. 40 minutes.

Use a trowel with a suitable notch size to ensure cavity free placement of the tiles and slabs. After the pot life has expired and the mortar begun to set, do not attempt to re-temper the mortar by adding water and stirring again.

## PLEASE NOTE

- Use VURA FasTone S2 only in dry conditions and at temperatures of  $+5^{\circ}\text{C}$  to  $+35^{\circ}\text{C}$ . During application make sure to observe in particular the information given by local instruction guidelines.
- On waterproofed substrates and at low temperatures, hardening will be delayed so that it takes longer until the surface is walkable and groutable.
- Fresh excess mortar can be removed with water; hardened material can only be removed mechanically.
- Use other VURA products when installing tiles in areas exposed to chemicals and on substrates other than those specified above.

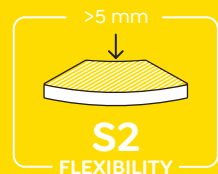
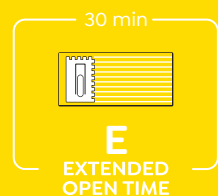
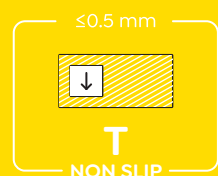
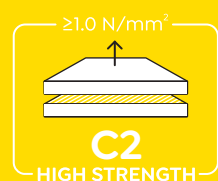
## PRODUCT SAFETY

Product contains cement, strongly alkaline reaction with moisture, so protect skin and eyes. After contact wash immediately with plenty of water. After eye contact also seek medical advice. It is recommended to use protective gloves and goggles. For further and complete information about the safe use of our product, please refer to the latest version of our Material Safety Data Sheet.

## GENERAL DATA

1. Color : Grey and White
2. Pack size : 20 Kg bag
3. Base : Synthetic resin, modified cement combination with fillers

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## TECHNICAL DATA

- |  |   |
|--|---|
| 1. Bulk Density                        | : Grey : 1.37 g/cc<br>White: 1.34 g/cc  |
| 2. Mixing Proportion                   | : Grey : 4.6 – 4.8 L of water<br>(23% - 24% by weight) for 20 Kg bag<br>White : 4.6 – 4.8 L of water<br>(23% - 24% by weight) for 20 Kg bag |
| 3. Slip Resistance / Vertical Slip (T) | : ≤ 0.5 mm  |
| 4. Pot Life                            | : 4 hrs.  |
| 5. Achieved Thickness                  | : Up to 15mm  |
| 6. Application Temperature             | : From +5°C to +35°C  |
| 7. Grouting                            | : After approx. 24 hrs  |
- 
- |  | <b>Minimum Requirement</b>   | <b>Range In Values</b>      |
|--|--|-----------------------------|
| 8. Adhesive tensile strength<br>(according to EN 12004 : 2017 standard @ 23 ± 2°C) |  |                             |
| - Initial dry condition (after 28 days)  | : ≥ 1.00 N/mm <sup>2</sup>   | 1.70-2.00 N/mm <sup>2</sup> |
| - After water immersion  | : ≥ 1.00 N/mm <sup>2</sup>   | 1.10-1.30 N/mm <sup>2</sup> |
| - After heat ageing  | : ≥ 1.00 N/mm <sup>2</sup>   | 1.40-1.80 N/mm <sup>2</sup> |
| - After freeze/thaw cycles   | : ≥ 1.00 N/mm <sup>2</sup>   | 1.30-1.60 N/mm <sup>2</sup> |
| - Open time @ 30 minutes   | : ≥ 0.50 N/mm <sup>2</sup>   | 0.80-1.20 N/mm <sup>2</sup> |
| (according to IS 15477-2019 standard @ 27 ± 2°C)                                   |  |                             |
| - Dry condition  | : ≥ 1.50 N/mm <sup>2</sup>   | 1.70-2.10 N/mm <sup>2</sup> |
| - Wet condition  | : ≥ 1.00 N/mm <sup>2</sup>   | 1.10-1.30 N/mm <sup>2</sup> |
| 9. Shear Adhesion Strength<br>(according to IS 15477-2019 standard @ 27 ± 2°C)     |  |                             |
| - Dry condition  | : ≥ 1.50 N/mm <sup>2</sup>   | 1.70-2.20 N/mm <sup>2</sup> |
| - Heat aging condition   | : ≥ 1.00 N/mm <sup>2</sup>   | 1.40-1.80 N/mm <sup>2</sup> |
| - Wet condition  | : ≥ 1.00 N/mm <sup>2</sup>   | 1.20-1.40 N/mm <sup>2</sup> |
| 10. Open Time<br>(according to IS 15477-2019 standard @ 27 ± 2°C)                  | : As Per Manufacturer  | 40 Mins.                    |
| 11. Adjustment Time  | : As Per Manufacturer  | 40 Mins.                    |
| 12. Deformation  | : ≥ 5.0 MM (S2 according to EN 12004 / IS 15477-2019)  |                             |
| 13. Temperature resistance   | : From -30°C to +75°C  |                             |
| 14. Coverage   | : Consumption may vary depending on the evenness on the substrate, trowel notch size, type of tiles / stone and the application technique. |                             |
| 15. Approximate consumption  | : As a guide : 1.2 Kg / m <sup>2</sup> / mm of thickness   |                             |
| 16. Set to light foot traffic  | : 24 hrs.  |                             |
| 17. Ready for use  | : 14 days  |                             |
| 18. Shelf life   | : Until 15 months since the date of Stored in undamaged dry conditions and original packaging.   |                             |

The product is compliant with the EN12004 / ISO 13007 and IS 15477-2019 standard.

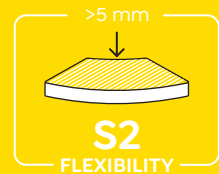
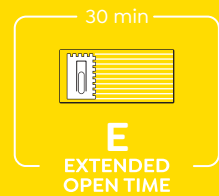
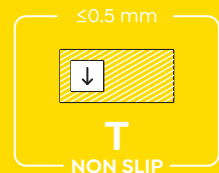
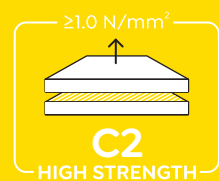
## OTHER INFORMATION

Should you need support or advice, please consult our advisory service for architects and craftsman on the contact information you will find on the local VURA website.

Apart from the information given here it is also important to observe the relevant guidelines, regulations and common standards of various organizations and trade associations. The afore mentioned characteristics are based on practical experience and applied testing. Confirmed properties and possible uses which go beyond those listed in this information sheet require our written confirmation. All data given was obtained at an ambient and climatic temperature of +23° C and 50 % relative air humidity unless specified otherwise. Please note that under other climatic conditions, hardening can be accelerated or delayed and that the product itself is subject to local conditions.

The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of willful misconduct or gross negligence on our part or unless there is a case of personal injury or death or a case of liability under the Product Liability Act.

This technical data sheet supersedes all previous editions relevant to this product. Please be aware that this Technical Data Sheet only relates to a product manufactured in the specific relevant production site.



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