



# VURA®

Time To Build Better

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# VURA Lastik™

Multi-functional, two component reactive adhesive for the installation of tiles, natural stones & other special coverings - specially on difficult substrates such as glass, rubber, wood, metal etc. It is PU base high performance and high adhesion fixing with no vertical slip on deformable surfaces.

## CHARACTERISTICS

- Able to absorb stresses
- For areas subject to light chemical attack
- Good workability
- High elasticity, extremely flexible
- Resistant to ageing
- Highly Thixotropic
- For indoor and outdoor use



## SCOPE OF USE

- **VURA Lastik** is used for installing vitrified tiles and slabs, marble, artificial stones (agglomerated stones), natural stone slabs, clinker, porcelain, glass tiles and glass mosaic etc. on floors and walls on absorbent and non-absorbent surfaces.
- Building elements, prefabricated components, profiles made of wood, glass, rubber, pvc and metal.
- **VURA Lastik** is suitable for indoor and outdoor use.

It ensures a reliable and firm bond, even on difficult substrates like metal, wood, rubber, glass, synthetic resin and coatings – usually without a primer. It can be used on standard building substrates, also on freshly installed cement screeds (possible time: 3 to 5 days after installation, then again after 28 days). Thanks to its high flexibility, it can also be used on slightly vibrating surfaces.

**VURA Lastik** can be used for installing tiles and slabs on heated or cooled floor constructions.

**VURA Lastik** is also suitable for areas subject to chemical attack, e.g. car washes, commercial kitchens/breweries.

## SUBSTRATES

Metal, rubber, wood, glass, sanded surfaces, plastered surfaces or gypsum-based panels, anhydrite slabs, plasterboard, cement-based plaster, asbestos cement, concrete, cement and lime mortar, cement-based screeds, polystyrene.

## SUBSTRATE PREPARATION

**VURA Lastik** adheres to all sound, load-bearing, clean and dry substrates free of substances which may impair adhesion. Substrates must fulfill the requirements of the local standards, be properly cured, structurally sound, dimensionally stable, free of any loose or friable particles, clean, dry and free of any contaminants such as dust, dirt, oil, grease, release agent, cement laitance or efflorescence.

Coatings of insufficient load-bearing strength must be removed. **VURA Lastik** adheres without special pretreatment on metal, wood, concrete, plasters, cement screeds, Xylolite, fibre cement boards, chipboards, existing tile and artificial stone floors and on heated screeds.

Compliance With  
**IS 15477**



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Calcium sulphate screeds (gypsum/anhydrite, mechanically roughened and freed from dust, residual moisture  $\leq$  0.5 weight %, heated screed  $\leq$  0.3 weight %) and mastic asphalt (roughened with sand, no industrial use) as well as PVC coverings.

Plasters of mortar (at least 28 days old), cement screeds (at least 28 days old, residual moisture  $\leq$  2 weight %) and concrete (at least 2 months old) can be covered directly with tiles. Cement substrates should not be subject to shrinkage after the installation of the product, therefore they must be properly cured. Comply with local standards.

Depending on the substrate condition and contaminants to be removed from the surface, perform adequate preparation techniques, such as grinding or blast cleaning, in order to remove all traces of any materials that could reduce the product's adhesion to the substrate.

Cracks in substrates must be identified and sealed appropriately.

## APPLICATION

### Preparing the Mix

**VURA Lastik** are supplied in ready to mix buckets.

Part A : 96 parts by weight

Part B : 4 parts by weight

- **VURA Lastik** is a "reactive" adhesive. This means that it sets through chemical reaction between two components, A and B. It is very important to thoroughly mix these components together.
- The ratio of the Part A (Resin) and Part B (Hardener) is fixed and any modification could cause incorrect hardening of the product.

### Applying the Mix

**VURA Lastik** is two component reactive adhesive and Mix Part A with Part B (in the ratio of 96:4 by weight) for use and can therefore be applied from the bucket. Pour Part B (Hardener) into Part A (Resin) and mix well until a uniform paste is obtained. It is advisable to use a low speed electric stirrer to ensure perfect mixing and avoid overheating the mix. Remember that if the components are stirred at high speed, the heat developed will considerably speed up the hardening process and, thus, shorten the time the product can be worked.

Apply the adhesive according to the generally recognized rules of the thin-bed method with a notched trowel or use the buttering-floating method instead. To ensure void-free bedding of the tiles and slabs, the adhesive layer must be of sufficient thickness.

Press the tile down to make sure that at least 60% of its surface is covered by adhesive. Tiling must be carried out on freshly applied adhesive, applying adequate pressure to ensure complete and uniform contact with the adhesive and thus optimum bond. Tiles / stones must be absolutely dry.

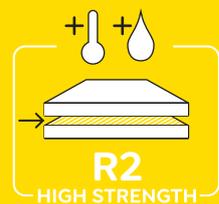
For exterior installations, the tile backs should be completely covered with the adhesive.

## CLEANING

**VURA Lastik** is a PU based adhesive that cures by reaction. Tools and tile surfaces cannot be cleaned with water. Pre-clean the tools and surfaces with dry cloths. Fresh adhesive residues can be removed with suitable industrial solvent or thinner. Hardened material can only be removed mechanically.

## PLEASE NOTE

- Please note that under other climatic conditions hardening can be accelerated or delayed
- Use **VURA Lastik** only in dry conditions and at temperatures of +5 °C to +35 °C. The optimum ambient and material temperature is 23 °C and 50 % relative humidity. At low temperatures, we recommended bringing the adhesive up to temperature before application.
- Please avoid application in direct sunlight and/or strong wind / draughts.
- The risk of medium or long-term release of appreciable concentrations of volatile organic compounds (VOCs) into the ambient air is negligible.
- Eating, drinking and smoking should be avoided while working with the product. Wear protective gloves. In case of contact with the eyes, seek medical advice.



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## PRODUCT SAFETY

Product contains synthetic resin and hardener, 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

	Part A	Part B
1 Appearance	: Thick paste	Liquid
2 Color	: White	Pale brown
3 Mixing Ratio (by weight)	: 96 :	4
4 Packaging	: 4.8kg 5kg (A+B) Bucket	0.2kg
5 Mixing consistency	: Viscous paste	
6 Mixed Color	: White	

## TECHNICAL DATA

1 Bulk Density (g/ml)	: Part A: 1.52 Part B: 0.94	
2 Mixed Density	: 1.5 g/ml	
3 Pot Life	: ~30 to 40 min.	
4 Application Temperature	: +10°C to +35°C	
5 Slip (≤ 0.5 mm) (EN 1308/IS15477-2019)	: 0.20 mm	
	<b>Minimum Requirement</b>	<b>Values In Range</b>
6 As Per EN 12003		
- Initial Shear Adhesion Strength	: ≥ 2.00 N/mm <sup>2</sup>	2.50-3.50 N/mm <sup>2</sup>
- Shear Adhesion Strength After Immersion In Water	: ≥ 2.00 N/mm <sup>2</sup>	2.50-3.00 N/mm <sup>2</sup>
- Shear Adhesion Strength After Thermal Shock	: ≥ 2.00 N/mm <sup>2</sup>	2.50-3.00 N/mm <sup>2</sup>
- Deformability (S2 - ≥ 5.0 mm)	: Highly Deformable	
7. As Per IS 15477-2019		
- Tensile Adhesion at Dry Condition	: ≥ 2.00 N/mm <sup>2</sup>	2.50-3.50 N/mm <sup>2</sup>
- Shear Adhesion at Dry Condition	: ≥ 6.00 N/mm <sup>2</sup>	7.00-8.00 N/mm <sup>2</sup>
- Shear Adhesion at Heat Ageing	: ≥ 3.00 N/mm <sup>2</sup>	3.00-3.50 N/mm <sup>2</sup>
- Open Time	: As Per Manufacturer	65 min.
- Adjustment Time	: As Per Manufacturer	70 min.
- Deformability (S2 - ≥ 5.0 mm)	: Highly Deformable	
8. Foot Traffic	: 24 hours	
9. Grouting	: 24 hours	
10. Ready to Use	: 7 days	
11. Resistant to Chemicals	: After 7 days	
12. Resistance to Temperature	: From -40°C to +100°C	
13. Consumption	: 1.5 kg/m <sup>2</sup> /mm adhesive thickness Coverage may vary depending on notch trowel size, surface smoothness and absorption.	
14. Shelf Life	: Until 15 months since the date of Stored in undamaged dry conditions and original packaging.	



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The product is classified as R2T as per EN12004 and Type 5T S2 as per IS 15477-2019.



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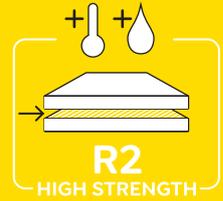
## OTHER INFORMATION

Should you need support or advice, please consult our advisory service for architects and craftsmen 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. Therefore 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 material 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 such as amount of water and hardening. A product from another production site may differ.

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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