



# VURA AcryStik<sup>™</sup>

**VURA AcryStik** is a white acrylic based polymer liquid with multipurpose uses to provide flexible cementitious coating system. **VURA AcryStik** polymer adds to the potential use as well as enhances the properties of cement slurry/mortar/concrete making them excellent choice for use in new as well as renovation work. It is a modified acrylic polymer for coating, bonding agent, repair and priming of reinforce concrete. It is economical and hard wearing system with water resistance property.

## USAGE

- **VURA AcryStik** is used for surface treatment, protecting, and repairing concrete and masonry
- Waterproofing of basements, toilets, terraces, roofs, swimming pools, water towers etc.
- General concrete repairs
- Protection of concrete against corrosion, salt attack etc.
- As a mortar modifier
- As bond coat slurry
- Top coating
- For repair
- For surface treatment and protection
- Protective layer of cementitious surface

## FEATURES

- Combines a tough, flexible, hard-wearing surface with waterproofing
- Enhances the properties of cement slurry / mortar / concrete
- Develops excellent bond to most building materials
- UV resistance & Non corrosive to mild chemicals attack
- High durability in continuous wet condition
- Protective coating for cement surfaces
- Allows trapped vapour to escape thus preventing peeling and blistering.
- Reduces or prevents salt penetration into concrete
- Is non-flammable and does not give off toxic gases, when exposed to fire
- Will not rot or corrode
- Can be applied in uniform thickness to horizontal and vertical surfaces
- Most properties improve with age

## RECOMMENDATION MIXING CHART

Application Area	Mixing Properties				Consumption of VURA AcryStik
	VURA AcryStik	Cement	Fine Sand	Water	
Bond Coat Slurry/ VURA AcryStik Coating	1	2	-	-	0.25 kg/m <sup>2</sup> for one coat OR 0.375 kg/m <sup>2</sup> for two coat
Brush Top Coating	1	2	2	-	430 kg/m <sup>3</sup> OR 0.650 kg/m <sup>2</sup> / 1.5 mm thickness
Mortar Modifier	1	5	15	2	

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# VURA®

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## APPLICATION METHOD

### SURFACE PREPARATION

- The surface should be cleaned to remove all dust, foreign matters, loose materials or any deposits of contamination which could affect the bond between the surface and the **VURA AcryStik** coating. This can be done by scarifying, grinding, water blasting, sand blasting, and acid washing or by any other approved method.
- Application area should have minimum undulation. Any high undulation should be corrected before the application.
- New flat/level surface like sub-base concrete shall be made reasonably smooth so as not to impede the application of **VURA AcryStik** coating and to avoid sharp projections.
- Concrete surfaces shall be thoroughly pre-wetted prior to the application of **VURA AcryStik** coating by pouring water on flat surface or by spraying water on vertical/inclined surfaces. There should not be any standing water

### APPLICATIONS

#### BOND COAT SLURRY / VURA ACRYSTIK COATING

- **VURA AcryStik** mix with cement in ratio of 1:2
- Mix thoroughly for homogeneous, lump free mixture
- Wait for 5-10 minutes to release entrapped air bubbles
- Apply using brush or suitable tools; so slurry can be evenly spread

#### BRUSH TOP COATING

- **VURA AcryStik** mix with cement and fine sand in ratio of 1: 2 : 2
- Mix thoroughly preferably with mechanical stirrer / mixing machine for homogeneous mixing
- Wait for 5-10 minutes to release entrapped air bubbles.
- Apply the mixer at required place using appropriate tools or Brush
- Two or more coats are recommended in 4-6 hrs waiting time.

#### MORTAR MODIFIER

- **VURA AcryStik** mix with water in ratio of 1:2, and add mixture of cement and fine sand as per 5:15 ratio.
- Mix thoroughly preferably with mechanical stirrer / mixing machine for homogeneous mixing.
- Apply the mixer at required place using appropriate tools for better finishing.

#### CURING

After application of final coat of **VURA AcryStik**, initial air drying shall be done for 2-5 hours and no water is to be used during this period. After maximum period of 6 hours after the final application, moist curing shall be done for the next 24 hours by spraying / sprinkling of water on **VURA AcryStik** coating. During this period, **VURA AcryStik** coating should not be left completely dry or submerged in water. Coating shall be allowed to air dry for 2-3 days before submersion in water.

#### PRECAUTIONS AND LIMITATIONS

- **VURA AcryStik** system must be applied with temperature above 10°C and below 40°C.
- **VURA AcryStik** should not be used without addition of cement.

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## TECHNICAL DATA

@ 23°-25°C and R.H. 50%

PARAMETERS	TEST RESULTS
Appearance	Milky White Liquid
Viscosity, Seconds	11 - 13
Density	1.02
Solid content (%)	30 ± 2
Volatile Organic Content	<2%
pH value	> 7
Bond Strength (28 Days) N/mm <sup>2</sup>	> 2
Compressive Strength (28 Days) N/mm <sup>2</sup>	> 30
Recoating Time (Hrs.)	4-6

### COVERAGE

- For bond coat slurry, as a guide: 40-45 sq.ft. per kg at Mix Ratio of **VURA AcryStik** : CEMENT - 1 : 2 for one coat
- Coverage depends on the type of use / application skills, mixing ratio and nature of substrate.

### PACKAGING

- 1 Kg bottle (1 kg x 8 nos. in a box)
- 5 Kg can (5 kg x 2 nos. in a box)
- 20 Kg Bucket
- (Bigger packing sizes are available on request)

### SHELF LIFE

15 months from the date of production. Store in undamaged and unopened, original sealed packaging, in dry conditions and protected from direct sunlight. Protect from frost.

### HEALTH AND SAFETY

- Cementitious mortars & slurries modified with **VURA AcryStik** when mixed or when become damp, may release alkali which can be harmful to skin & eye
- Wear suitable protective clothing, gloves, eye protection and respiratory protective equipment during application
- In case of contact with skin, rinse with plenty of clean water and then cleanse with soap water
- In case of contact with eyes, rinse immediately with plenty of clean water and seek medical

## 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 material temperature of at 23°C-25°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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