ONE UNIT = ONE TREE

VURA
Time To Build Better
INDIA | UAE | ESTONIA

# VURA AcryStik™

**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 masonary
- 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/$m^2$ for one coat OR 0.375 kg/$m^2$ for two coat |
| Brush Top Coating | 1 | 2 | 2 | - | 430 kg/$m^3$ OR 0.650 kg/$m^2$/ 1.5 mm thickness |
| Mortar Modifier | 1 | 5 | 15 | 2 | |

**Vura Bau-Chemie LLP**
1302, 13th Floor,
Elite Business Hub,
Sola, Ahmedabad 380060,
Gujarat, India.

**079 4849 2890**
**care@vura.ae**
**vura.ae**

ONE UNIT = ONE TREE

VURA
Time To Build Better
INDIA | UAE | ESTONIA

## 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.

**Vura Bau-Chemie LLP**

1302, 13th Floor,
Elite Business Hub,
Sola, Ahmedabad 380060,
Gujarat, India.

**079 4849 2890**
**care@vura.ae**
**vura.ae**


ONE UNIT = ONE TREE

VURA™

Time To Build Better

INDIA | UAE | ESTONIA

## 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$^2$ | > 2 |
| Compressive Strength (28 Days) N/mm$^2$ | > 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.



**Vura Bau-Chemie LLP**

1302, 13th Floor,
Elite Business Hub,
Sola, Ahmedabad 380060,
Gujarat, India.

**079 4849 2890**
**care@vura.ae**
**vura.ae**