



## Uniguard Epoxy Adhesive

### Product Description

Uniguard Epoxy Adhesive is a strong, versatile epoxy adhesive able to be used on a variety of materials. It effectively bonds metal, plastic. It also adhesive very well to ceramics, glass and wood.

Uniguard Epoxy Adhesive is available in both low viscosity and High viscosity rheology.

### Features and Benefits

- Good adhesion.
- Resistant to water, oil, acids and salts.
- Good void-filling capabilities.
- Heavy-duty epoxy adhesive.
- 100% solids content.
- Bonds old to new concrete.
- Works on damp and dry surfaces.
- Non-shrinking, non-chipping and non-cracking once cured.
- High water and chemical resistance after curing.

### Typical use

- High strength bonding of metal sheets
- Bonding Wooden paneling, sheet and parts
- High strength plastic bonding
- Bonding of ceramic components fixtures

### Substrate

Metal, Ceramics, glass, plastic and wood.

### Product Data

Property	LV	HV
Appearance	Thixotropic paste	Thixotropic paste
Color	Grey	Grey
Mixed Density g/ml	1.40	1.50



<b>Shore D</b>	85	80
<b>Mixed Viscosity</b>	500 P	47000 P
<b>Pot Life</b>	20 min	10 min
<b>Slant Shear Bond Strength@7 days</b>	N/A	45 MPa
<b>Bond Streng7 days</b>	N/A	≥2 MPa

## Application data

### Mixing Ratio

**Part per Volume LV** : 3 Part of Comp A: 1 Part of Comp B

**Part per Volume HV** : 1 Part of Comp A: 1 Part of Comp B

The product can be applied by

**HV**                      **Spatula or Trowel is recommended**

**LV**                      **Spatula, Trowel or special gun are recommended**

### Cleaning of painting tools

Immediate cleaning with xylene is necessary.

### Thinner (solvent to mix with)

Xylene.

### Dilution (Mix Ratio)

Not recommended.

<b>Drying and curing time@25C°</b>	<b>LV</b>	<b>HV</b>
<b>Surface (touch) dry</b>	<b>30-35 mins</b>	<b>30 min</b>
<b>Full Cure</b>	<b>6 hrs</b>	<b>24 hrs</b>

## Directions for use

### Surface preparation

- Ensure that surface is thoroughly cleaned and free from grease, oil, dirt, dust, salts and other containment.
- Surface must be dry and fully cured.



## Application procedure

- Use gloves to minimize skin contact with adhesive.
- This product consists of two parts. Mix thoroughly by weight or volume in the specified portions. Mix approximately 30 seconds after a uniform color is obtained.
- For maximum bond strength apply product evenly to both surfaces to be joined.
- Application to the substrates should be made within 15 minutes. Larger quantities and/or higher temperatures will reduce this working time.

## Storage

- Store in cool, dry place in a well-sealed container away from moist air for 12 months.
- Keep away from heat, ignition sources and from children.

## Caution

- Clean mixing container before use. Do not use dirty tools. Ensure that containers and tools are free from moisture.
- Do not exceed dilution ratios.
- Keep out of the reach of children.

## Health and safety

Possible Hazards: It causes irritation in case of skin contact & eye contact, flush immediately with plenty of water for at least 10 minutes and seek medical advice in case it happened.