



# CLASSIC EPO BOND 208

## General Purpose Epoxy Bonding Agent

### Product:

Two pack solvent-free epoxy resin and slow curing high strength adhesive suitable for application at ambient temperatures of up to approximately 40°C. Bonding new or old concrete and to provide a hardwearing chemical resistant coating to concrete or metals.

### Description:

**Classic Epo bond 208** is a general purpose epoxy resin, which have been formulated especially for use with concrete. **Classic Epo bond 208** has the particular advantages of bonding firmly to touch damp surfaces.

### Advantages & Benefits:

- Excellent Adhesion
- Increases bond Strength
- Very good chemical resistance
- Easy to apply.
- Cure in damp surface.

### Where to Use:

- To bond renders screeds or fresh concrete to existing concrete surfaces.
- To bond together pre-cast concrete sections.
- To repairs broken concrete units.
- As a primer for **Classic Epo bond 208** epoxy repair mortar and other epoxy application.

### How to Use:

#### Preparation:

Substrate must be sound, clean and free from laitance and all contamination viz, oils, greases, etc. **Mixing:**

**Classic Epo bond 208** epoxy resin comprises two components, the resin BASE and the HARDENER, which are supplied pre-weighted in the correct proportions. It is recommended that for better adhesion, the surfaces must be primed by coating with a primer. This gives a strong adhesion

of the sealant to the substrate. When required for application, the HARDENER should be poured into the can containing the BASE and drained well. The two components should be poured into the can containing the BASE and drained well. The two components should be thoroughly mixed, preferably using a mechanical stirrer, e.g. electric drill with stirrer attachment, until a uniform clear liquid is obtained.

### Application:

- For bonding together, concrete sections; apply an even coating of resin to both prepared surfaces using a brush or roller. Ensure that both surfaces are saturated and bring the sections together under light pressure. Remove any resin, which exudes from the joint. Protect the job from agitation until the resin is set.
- For bonding screeds, renders or fresh concrete to existing concrete surfaces: apply an even coating of resin to the prepared old concrete surface using a brush or roller. The fresh concrete or mortar should then be placed on top of the resin layer after 15 minutes and within 5 hours at 30°C. The rate of application of resin will need to be controlled so that the fresh concrete / mortar can follow within these limits.

### Packing:

Available only in 1 Kg pack.

### Coverage:

The covering capacity of the resin will vary depending upon the porosity and texture of the surface and of the ambient temperature, but as a general guide 0.3 kg per m<sup>2</sup> should be allowed.



Delivering Innovations With Experience  
An ISO 9001:2015 Register



# CLASSIC EPO BOND 208

General Purpose Epoxy Bonding Agent

## Shell Life:

Shelf life is 9 months when stored in manufacturer's undamaged sealed containers under dry conditions, and out of direct sunlight.

## Properties:

<b>Colour</b>	Red
<b>Usable Life</b>	5hrs at 30°C; 3hrs at 40°C
<b>Cure Rate</b>	A tack free film obtained after 3 hrs at 40°C, 9 hrs at 23°C
<b>Gel Time</b>	45 Min
<b>Bond Strength:</b> a. 2 days moisture b. 14 days moisture	8.9
<b>Absorption, 24hrs (%)</b>	0.35
<b>Compressive Yield Strength (MPA) 7 days</b>	72.2
<b>Tensile Strength (MPA) 7 days</b>	51.2
<b>Elongation at Break point</b>	1.40
<b>Initial Viscosity</b>	13 poise at 20°C, 2 poise at 40°C.

## Tamilnadu Corporate office :

M349 Ist Floor Srinivasa Nagar  
,Kavaripettai,Gumidipoondy Chennai 601206  
Ph.+91-8220513172,+91-9514709240

## Factory :

N.603, selvavinayaganagar,Grant Lyon,Vadagarai,  
Chennai 600052  
Ph.+91-9444907177

## Karnataka Branch office :

**PRIMADONN CONSTRUCTION CHEMICALS(P)Ltd,**  
Talacauvery Layout,Basavannagar, Bangalore 560037  
Ph.+91-915087429,+91-9361638163,+91-9345411355

## Puducherry Branch Office :

192,Near Vaikal Street Cutting, Chinna Subburaya  
Pillai Street Puducherry 605001  
Ph.+91-9345561820.



Delivering Innovations With Experience  
An ISO 9001:2015 Register