

# ELASTOPOXY PRIMER HP

## Solvent Free Epoxy Primer



### DESCRIPTION

**ELASTOPOXY PRIMER HP** is a 100 % reactive, solvent free, two component, multipurpose, medium viscosity, epoxy primer for concrete surfaces that will be protected with range of coatings including polyurea and polyurethane. **ELASTOPOXY PRIMER HP** is ideal for solidifying weak and porous concrete substrates and can be combined with quartz sand to make it a fast curing hard repair patching mortar.

### BASIC USES

- Primer to concrete and epoxy substrates
- Primer for CMCI Polyurea System and Polyurethane Coatings
- Construction substrates with low and medium absorption

### FEATURES & ADVANTAGES

- Excellent Bond Strength with concrete, steel, and wood substrates
- Short overcoat interval for improved productivity
- Penetrates deeply into concrete surface
- Easy application with brush, spray, or roller
- Medium viscosity
- Excellent adhesion to properly prepared substrate of concrete, steel, and most common construction substrates.

### PHYSICAL PROPERTIES

Description	Result
Chemical base	Epoxy
Mixing Ratio	100:100
VOC content, ASTM D1259	0%
Appearance	Part- A Clear liquid
	Part -B Brown Liquid
Specific gravity	Part A- 1.10 +/- 0.02 Part B- 1.00 +/- 0.02
Solid Content by Volume and Weight	100%
Bond Strength, ASTM D4541	2 MPa

Bond Strength to Steel, ASTM D4541	6 MPa
Cure Time	Approx. 2 hours @ 25°C
Pot Life	40 Minute @ 25°C
Substrate Temperature	+5 °C min. / +45 °C max.
Ambient Temperature	+5 °C min. / +45 °C max.
Max. Relative air Humidity	80-85%
Dew Point	The substrate must be at least +3°C above dew point.

### DIRECTION FOR USE

#### SURFACE PREPARATION

All substrates should be prepared according to the manufacturer's instructions specific for final coating of the product. However, as a general surface preparation guideline, concrete substrate should be free from all contaminants, loose or flaky material and should be in sound condition. For Steel substrates, it should be grit to a class 2 ½ blast with a surface profile of between 50-100 microns. For other substrate types refer to coating manufacturers guidelines.

#### MIXING & APPLICATION

**ELASTOPOXY PRIMER HP** is supplied in pre-weighed two component pack consisting of Base component and a Hardener component. The hardener component should be fully emptied into the base component and mixed with slow speed light duty mixing drill and paddle.

**ELASTOPOXY PRIMER HP** can be applied on the properly prepared substrates using a roller, brush or alternatively by spraying in a conventional way with air pressure or airless application.

#### Notes

- Before using both components make sure to individually stirred and then the component B has to be emptied into component A completely.
- **ELASTOPOXY PRIMER** should be completely dry before overcoating.

#### PACKAGING

**ELASTOPOXY PRIMER HP** is packed in 1 us Gallon Kit

#### COVERAGE

**ELASTOPOXY PRIMER HP** will cover approximately 6.67 m<sup>2</sup> per liter at 150 microns thickness (DFT)

Note: The coverage rate of this product is dependent upon the concrete surface texture, the temperature of material and the concrete.

## CLEANING

Clean all tools and application equipment with POLYACTIVATOR immediately after use. Hardened material can only be removed mechanically.

## STORAGE

**ELASTOPOXY PRIMER HP** has a shelf life of 12 months from date of manufacture, when kept in original containers under standard storage condition.

### Storage conditions

- Containers of this product should be kept properly closed and stored indoors in a well-ventilated area under normal factory conditions, at temperatures of 20-30°C.
- Storage at temperatures above 50°C is not recommended since this can accelerate the formation of insoluble solids and it also increases the rate of viscosity increase on extended storage.

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### Quality Statement

CMCI manufactures its products at their manufacturing facility in Saudi Arabia as per the Quality Procedures certified to conform with quality Management System described in ISO 9000 series

CMCI provides a comprehensive technical support system for its full range of high Performance construction products CMCI also offers full technical field support to consultants, Architects, contractors, applicators and End Users.

**"High Quality Construction Chemicals"**  
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The Technical Specification information and recommendations given are based on the current technical knowledge and the user or his representative is recommended to check the suitability of the product CMCI reserves the right to amend the technical characteristic of the product as part of ongoing research and development. As the work execution is beyond the direct and continuous control of CMCI no guaranty and or responsibility is assumed on the performance of work completion executed with use of our products.