



# CHEM-JOINT PRIMER

## Two-Components Epoxy Primer for Chem-joint Mortar

### PRODUCT DESCRIPTION

CHEM-JOINT PRIMER is a synthetic epoxy based, two-part cross-linking product at ambient temperature, free of solvents, plasticizers and inert loading. After complete curing, the product shows high mechanical strength, optimal adhesive power, and resistance to water, saline solutions, mineral oils and gasoline.

### FIELDS OF APPLICATION

CHEM-JOINT PRIMER is formulated to be used as a promoter of adhesion for CHEM-JOINT MORTAR. It also can be used on supporting structures like concrete, bituminous concrete, steel, wood, marble, etc. In addition, it is used as adhesive fluid for structural bonding.

### PRODUCT FEATURES

- 100% Solids.
- High mechanical properties.
- High elasticity.
- Excellent adhesion to metal, asphalt, and concrete.
- High chemical resistance.

### PACKAGING

Product	Packaging
CHEM-JOINT PRIMER	2.22 LB (1 KG) UNIT Part A (Resin): 1.32 LB (0.6 KG) CAN Part B (Hardener): 0.9 LB (0.4 KG) CAN
	5.0 LB (2.27 KG) UNIT Part A (Resin): 3 LB (1.36 KG) CAN Part B (Hardener): 2 LB (0.91 KG) CAN

### TECHNICAL DATA

#### Technical Data for Mixed Parts

Property	Value	ASTM Method
Color Mixed	Black	N/A
Solid Contents By Weight	100%	N/A
Mixed Density	8.68 Lb/Gal (1.04 kg/liter)	D-1475
Density Viscosity	1500 cps	D-2196
Gel time (60 g) at 25°C	30 minutes	C-882
Binder adhesion strength to Steel	>3626 psi (25 MPa)	D-4541
Binder adhesion strength to Asphalt	>2176 psi (15 MPa)	D-4541
Binder adhesion to concrete	Concrete failure	D-4541
Hardness	80 A	D2240

### APPLICATION DATA

**Surface Preparation:** in order to ensure optimal adhesion to substrates and perfect function of the synthetic joint it is fundamental to properly prepare the surfaces to be connected. In particular, concrete surfaces must be free of any un-sticking elements such as surfacing agents, cement efflorescence,

grease, etc.

**Mixing and application:** in order to obtain ideal results, it is extremely important to use the components according to exact mixing ratios, and these are:

An entire can of Part A to an entire can of Part B or by volume A: B = 4: 3.

Mix the parts separately before use. Add part B component 'Hardener' to part A 'Resin' and mix slowly until complete homogenization.

When used as an adhesion promoter, CHEM-JOINT PRIMER is applied by brush in a single coat 150-200 microns thick, this is equivalent to 0.15 liters/m<sup>2</sup> (0.156 kg/m<sup>2</sup>) to 0.20 liters/m<sup>2</sup> (0.208 kg/m<sup>2</sup>). Subsequent spreading out of Chem-Joint Mortar must be performed with the primer still wet.

### CLEANING

Xylene can be used to clean Chem-Joint Mortars from tools and equipment.

### STORAGE

Store CHEM-JOINT PRIMER under cover out of direct sun light at a temperature between 50°F (10°C) and 77°F (25°C). Store correctly in un-opened container.

Shelf Life: Product can be stored in dry cool conditions for 12 months period.

### SAFETY PRECAUTIONS

#### KEEP OUT OF THE REACH OF CHILDREN. FOR INDUSTRIAL USE ONLY.

The components of this sealant are combustible. Component 2 contains a toxic ingredient, which is sufficiently diluted after mixing with component 1 to permit use of the final mixture with reasonable precautions. During application, it should be used with adequate ventilation. Avoid prolonged contact to skin. The components and mixture are harmful or fatal if swallowed. In that event do NOT induce vomiting – call a physician immediately.

While handling component 2 during mixing the following is recommended: Organic vapor cartridge, respirator, protective goggles, rubber apron and gloves. The vapor should not be inhaled. It may cause allergic respiratory irritations and it may cause skin or eye irritation. If material is splashed on skin, wash with large quantities of soap and water. If splashes in eyes – flush with water for 15 minutes and call a physician.

### TECHNICAL ASSISTANCE

Please contact International Chem-Crete Corporation for Technical Personnel.

## WARRANTY

**LIMITED WARRANTY:** International Chem-Crete Inc. warrants that, at the time and place we make shipment, our materials will be of good quality and will conform to our published specifications in force on the date of acceptance of the order.

**DISCLAIMER:** The information contained herein is included for illustrative purposes only and, to the best of our knowledge, is accurate and reliable. International Chem-Crete Inc. is not under any circumstances liable to connection with the use of

information. As International Chem-Crete Inc. has no control over the use to which others may put its products, it is recommended that the products be tested to determine the suitability for specific applications and/or our information is valid in particular circumstances. Responsibility remains with the architect or engineer, contractor and owner of the design, application and proper installation of each product. Specifier and user shall determine the suitability of the product for specific application and assume all responsibility in connection therewith.

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