

**EVA-POX® FRESH CONCRETE BONDER 2**

**CSI Section 003900  
Bonding Agents**

**EVA-POX® FRESH CONCRETE BONDER No. 2 is a two-component, 100% solids epoxy bonding agent used to bond fresh concrete to most construction products.**

**PRODUCT DESCRIPTION:**

EVA-POX® FRESH CONCRETE BONDER No. 2 is a 100% solids, moisture insensitive, two component modified epoxy adhesive. It was specially formulated to provide excellent adhesion of fresh concrete to steel, cured concrete, wood or difficult to dry, moist concrete surfaces. Minimum application temperature is 40°F (4°C). Meets ASTM C-881, Type II & V, Grade 2, Class B & C and A.C.I., 503.1-79 specifications.

| FEATURES:                                                                                                                                                                                                                                                                                                                                                               | BENEFITS:                                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>Bonding fresh concrete to cured concrete and other surfaces</li> <li>Bonding agent for Evazote 380®, Plastazote® and Eva-seal® joint fillers to fresh concrete</li> <li>Bonding construction materials to difficult to dry, moist concrete surfaces</li> <li>Installing and fastening anchor bolts in damp conditions</li> </ul> | <ul style="list-style-type: none"> <li>Bonds in damp environments</li> <li>Meets ASTM C-881, Type II &amp; V, Grade 2, Class B &amp; C</li> <li>High physical strengths</li> <li>Ideal working time</li> </ul> |

**USES:**

**Application**

- Cast in place joints
- Existing concrete to new

**Locations**

- Bridges & highways
- Parking structures
- Commercial structures
- Arroyos / Flood control channels
- Water Treatment facilities

**Substrate**

- Steel
- Cured concrete
- Block masonry

**SURFACE PREPARATION:**

**Concrete:** All oils, grease, dirt, waxes, existing coatings, curing compounds, heavy laitance and sharp edges, running water or protrusions must be removed. Sand blasting or brush blasting is recommended.

**Steel:** Surfaces must be clean, sound, and sandblasted to a near white metal finish (SSPC-10) immediately before the application of the epoxy bonder.

**Galvanized Steel:** aluminum, bass, bronze, stainless steel, and zinc materials require an acid etching primer such as our S.M.A.E. PRIMER #7. See the Tech Data

**MIXING:**

Be sure to separately mix Components A and B thoroughly. Then mix 2 parts of Component A with 1 part of Component B. Mix for 3

**WARRANTY**

Manufacturer WARRANTS that the product conforms to its chemical description and is reasonably fit for the purpose stated on its Technical Bulletin when used in accordance with its directions. Manufacturer makes NO OTHER WARRANTY either expressed or implied. Buyer assumes all risk in handling. For further Technical or Application Information, contact Chase Construction Products.

| TECHNICAL DATA                    |             |                 |              |
|-----------------------------------|-------------|-----------------|--------------|
| Properties (uncured):             | Part A      | Part B          | Mixed        |
| Color:                            | White       | Black           | Gray         |
| Shelf Life                        | 2 Yrs       | 2 Yrs           |              |
| Mixing Ratio (By Vol.)            | 2           | 1               | 2:1          |
| Specific Gravity                  | 1.49        | 1.00            | 1.33         |
| Density, (lbs./gal.)              | 12.4±0.2    | 8.3±0.2         | 11.1±0.2     |
| Viscosity, (cps.):                | 12,500      | 1,500           | 3,000        |
| Pot Life (200 gms.) @ 77°F (25°C) |             |                 | 50 - 70 mins |
| Tack Free                         |             |                 | 4 - 6 hrs    |
| Full Chemical Cure                |             |                 | 7 days       |
| Properties After Cure:            |             |                 |              |
| Compressive Strength              | ASTM D695   | 9000 psi. (min) |              |
| Tensile Strength                  | ASTM D638   | 3500 psi. (min) |              |
| Elongation at Break               | ASTM D638   | 1% (min)        |              |
| Shore D Hardness                  | ASTM D2240  | 85 (min)        |              |
| Water Absorption (by weight)      | ASTM D570   | 1.0% (max)      |              |
| Bond Strength                     | AASHTO T237 | 550 psi. (min)  |              |
| Compressive Modulus               | ASTM D695   | 600,000 (min)   |              |

minutes or until there is no marbling present. Mix only the amount that may be applied within the given pot life of the batch.

**APPLICATION:**

Eva-Pox® Bonder No. 2 may be applied by brush, roller, trowel, caulking gun or by hand with rubber gloves. Apply an approximate finish of 40 to 60 mils (1016 - 1524 mm) covering the entire surface and filling holes or cavities. The fresh concrete can be placed against the bonder after it has reached its tack stage or 1 to 3 hours after the application. If the epoxy achieves a cure before the concrete placement than re-application of the epoxy bonder will be necessary.

**COVERAGE:**

**Bonding agent:** 27 - 40 sq.ft./gal. @ 40 + 60 mils.

**NOTE:** A joint foot denotes coverage of both sides of joint material and both sides of the noted substrate

| Reference Coverage Chart:<br>Material Joint Feet Per Gallon |          |        |
|-------------------------------------------------------------|----------|--------|
| Depth                                                       | Concrete | Steel  |
| 1"                                                          | 100.0'   | 120.0' |
| 2"                                                          | 50.0'    | 60.0'  |
| 3"                                                          | 35.0'    | 40.0'  |
| 4"                                                          | 25.0'    | 30.0'  |



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### AVAILABILITY:

Packaging: 3 Gal. Units, 15 Gal. Units

Color: Gray

### CAUTION:

Direct contact with the skin should be avoided as it can cause skin irritation. Protective clothing, goggles and gloves are recommended. In case of direct contact with the skin, wash with soap and water. In case of accidental contact with eyes, flush immediately with plenty of water and report to a doctor. Fatal if taken internally. Keep away from open flame.

KEEP OUT OF REACH OF CHILDREN.

### CLEAN UP:

Use Desolv-It® cleaning solution prior to product curing.

### STORAGE CONDITIONS:

Materials must be kept in a dry area at temperatures between 50°F and 95°F (10°C - 35°C) in the original unopened containers during all phases of delivery, storage and handling.

DO NOT ALLOW PRODUCT TO FREEZE

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