

EVA-POX® UNDERWATER BONDER 47

EVA-POX® UNDERWATER BONDER NO. 47 is a 100% solids, non-shrink, moisture insensitive epoxy adhesive system designed for application in wet or underwater conditions.

E®-POXY
Bonding Agents
CSI Section 03900

PRODUCT DESCRIPTION:

EVA-POX® UNDERWATER BONDER NO. 47 is a 100% solids, moisture insensitive, two component modified epoxy bonder. It was developed specifically for bonding cured concrete to steel, cured concrete and wood, as well as many other construction materials in wet or underwater conditions. The bonder also offers excellent corrosion protection, resistance to abrasion and withstands the destructiveness of freeze-thaw cycles. The system is applicable to wet or dry surfaces at 40°F (4°C) or higher. Meets ASTM C-881, Type I, Grade 2, Class B and C.

FEATURES	BENEFITS
Bonds in both fresh & salt water environments	Adhesive for installing Ceva expansion joint system underwater
Meets ASTM C-881	Adhesive for various construction materials
Chemically resistant	Suitable for exposure to a variety of chemicals
Abrasion resistant	Resistant to impact from debris in submerged environments

USES:

Application

- Adhesive for underwater/wet expansion joints
- Underwater repair material

Locations

- Bridge / Highway
- Piers / Waterfront
- Parking decks
- Commercial structures
- Industrial structures

Substrate

- Concrete
- Masonry block
- Steel
- Wood

SURFACE PREPARATION:

Concrete: Surfaces must be cleaned of existing coatings. Dry surfaces allow an easier application of the coating; however, the product will adhere to clean wet surfaces. Remove all debris, oils, grease, dirt, and wax from the surface. Sandblast dry surfaces or wire brush wet surfaces to remove contaminants, algae buildup, and heavy laitance as well as sharp edges or protrusions that will interfere with a uniform application. Scarifying is only required when the surface is oil saturated, texture is uneven or the surface is badly deteriorated. In salt water applications, surface preparation must be completed immediately (10 mins) prior to installation due to algae growth.

TECHNICAL DATA			
Properties (uncured):	Part A	Part B	Mixed
Color	White Paste	Black	Gray
Viscosity, (cps.) @ 77°F (25°C)	24,000 ±4,000	13,000 ±3,000	17,000 ±5,000
Specific Gravity	1.75	1.00	1.50
Density, (lbs./gal.) @ 77°F (25°C)	14.7±0.2	8.3±0.2	12.5±0.2
Mixing Ratio (by vol.)	2	1	2:1
Shelf Life	1 yr	1 yr	
Gel Time (200 gms.) @ 77°F (25°C)			35 - 45 mins
Tack Free @ 77°F (25°C)			3 - 4 hrs
Full Chemical Cure			7 days
Hardness (Shore D)			80±5

MIXING:

Separately mix Components A and B thoroughly. Mix 2 parts of Component A with 1 part of Component B in a plastic or metal pail. Mix thoroughly for approximately 2 minutes or continue until there is no marbling. Mix only what may be within the given pot life of the batch.

APPLICATION:

Eva-Pox® Underwater Bonder No. 47 may be brought underwater and applied by brush, trowel, roller, or hand. Apply the material onto roller or brush before entering the water. The rate of application will vary depending on the application method and surface. Coat the substrate surfaces with approximately 40-60 mils (1.0-1.5mm) of material. Also, coat the surface of the material to be bonded with 40-60 mils of epoxy.

COVERAGE:

25-40 sq.ft per gallon @ 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: 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'

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

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Distributed By:
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EVA-POX® UNDERWATER BONDER 47**E®-POXY**
Bonding Agents
CSI Section 03900**AVAILABILITY:**

Packaging: 3 Gallon Unit

Color: Gray

LIMITATIONS:

Minimum ambient and substrate temperature is 40°F (4°C).

Do not thin with solvents

CLEAN UP:

Uncured material can be removed with an approved solvent. Follow solvent manufacturers instructions for use and warnings. Cured material can only be removed mechanically. In case of a spill, ventilate area and contain spill with absorbent materials. Dispose of in accordance with current and applicable local, state and federal law.

SHELF LIFE:

2 Years

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

CAUTION:

Direct contact with 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

Specific conditions of sale and Chase's limited warranty are set out in detail in Chase Corporation Terms & Conditions of Sale. Those Terms & Conditions are the only source that contain Chase's limited warranty and other terms and conditions.

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