

EVA-POX® COLD CURE BONDER 41

EVA-POX® COLD CURE No. 41 is a 100% solids, moisture insensitive, two component modified epoxy adhesive. It was specially formulated to provide excellent low temperature adhesion.

E®-POXY
Bonding Agents
CSI Section 03900

PRODUCT DESCRIPTION:

EVA-POX® COLD CURE BONDER No. 41 is a 100% solids, two component modified epoxy adhesive designed for bonding cured concrete to steel, cured concrete, wood and other construction materials. Applicable at ambient and surface temperatures as low as 20°F (-7°C) on frost-free surfaces. Meets ASTM C-881, Type II, Grade 2, Class A.

FEATURES	BENEFITS
Bonds at surface & ambient temperatures as low as 20°F	Expands installation temperature range for our Ceva expansion joint systems
Meets ASTM C-881	Adhesive for various construction materials
Excellent adhesion to closed cell foam	High performance adhesive for Ceva closed cell foam expansion joint systems
Rapid set at 77°F	Ideal for applications that require immediate bond
Moisture insensitive	Bonds to damp substrates

USES:

Application

- Bonding agent for our preformed closed cell expansion joint materials
- Construction adhesive when a quick cure is required at room temperature
- Construction adhesive for applications between 20°F (-7°C) and 40°F (4°C)

Location

- Bridge / highway
- Walk-in freezers / refrigerators
- Other applications subject to cold weather

Substrate

- Concrete
- Masonry block
- Steel

SURFACE PREPARATION:

Concrete: All oils, grease, dirt, waxes, existing coatings, curing compounds, heavy laitance sharp edges or protrusions and frost must be removed. New concrete should cure 80% of the design strength. Sandblasting of surfaces is recommended.

Steel: Surfaces must be clean, sound, and sandblasted to a near white metal (SSPC-10) finish immediately before the application of the bonder. All surfaces must be free of any frost or ice on the substrates.

NOTE: Galvanized steel, aluminum, and any other specialty metals requires an acid etching primer after surface preparation.

MIXING:

Separately mix Components A and B thoroughly. For smaller batches, mix 2 parts of Component A with 1 part of Component B in a clean plastic or metal pail. Mix for approximately 3 minutes or continue until there is no marbling. Mix only what may be applied within the given pot life of the batch. Warmer weather, as well as larger batches, decreases the pot life of the mixed material.

Grouting and Patching: Add to premixed resin, clean dry silica sand at a 1:1 ratio, mixing thoroughly while adding.

APPLICATION:

Eva-Pox® Cold Cure Bonder No. 41 may be applied by hand with rubber gloves on, brush, trowel, or a caulking gun. Apply at a thickness of 40 - 60 mils (1.0 - 1.5mm) to both surfaces to be bonded.

TECHNICAL DATA			
Properties (uncured):	Part A	Part B	Mixed
Color:	Off White	Black	Concrete Gray
Shelf Life	2 Yrs	2 Yrs	
Mixing Ratio (By Vol.)	2	1	2:1
Specific Gravity	1.50	1.27	1.43
Density, (lbs./gal.) @ 77°F (25°C)	12.5±0.2	10.75 ±0.5	11.9±0.5
Viscosity, (cps.) @ 77°F (25°C)	65,000 ±20,000	25,000 ±5,000	45,000 ±20,000
Gel Time (200 gms.) @ 77°F (25°C)			6+3 mins
			30+5 mins
Initial Set @ 77°F (25°C)			1 - 2 hrs
Initial Cure			6 - 8 hrs
Properties After Cure:			
Compressive Strength	ASTM D695	9000 psi. (min)	
Tensile Strength	ASTM D638	2500 psi. (min)	
Elongation at Break	ASTM D638	5% (min)	
Shore D Hardness	ASTM D2240	85±5	
Water Absorption (by weight)	ASTM D570	1.0% (max)	

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

Updated 06/11/08
 S002 Rev. 7/30/07



Distributed By:
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COVERAGE:

Bonding Agent 27 - 40 sf./gal.
 Grouting or Patching 0.27 ft³/gal or 231 in³ / gal.

Eva-Pox® Bonding Adhesive for preformed expansion joint materials

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

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

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'

AVAILABILITY:

Packaging: 3 Gallon Unit

Color: Gray

LIMITATIONS:

Minimum substrate and ambient temperature is 20°F (-7°C).

Do not thin with solvents

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.

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

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