

COLD-CURING PRIMER & JOINT REPAIR LIQUID EPOXY EPAR 122 COLD CURE

TECHNICAL DATA

1.0 DESCRIPTION

An unfilled, non-shrink solventless epoxy liquid used as a cold-curing primer for concrete surfaces prior to the application of other epoxy systems or as a cold-curing concrete crack and joint repair system.

2.0 PROPERTIES

2.1. Viscosity	Low
2.2. Mix Ratio	2 parts resin: 1 part hardener by volume
2.3. Pot Life	15 – 20 minutes at 20°C for 100mL
2.4. Initial Cure	40 minutes at 20°C, 3 hours at 2°C for 100mL
2.5. Final Cure	5 days
2.6. Minimum Application Temp.	0°C
2.7. Shelf Life	1 year in original unopened containers
2.8. Cured Properties	(Cured at 18°C unless otherwise noted)
2.8.1. Colour	Clear Amber
2.8.2. Specific Gravity	1.07
2.8.3. Compressive Strength	89 MPa 1 day, 92 MPa 7 days 62 MPa 7 days at 2°C
2.8.4. Tensile Strength	32 MPa 7 days 29 MPa 7 days at 2°C
2.8.5. Shore D hardness	86 (typical) at 25°C

3.0 USES

EPAR 122 COLD CURE can be used as a primer for EPAR liquid epoxies and mortars when used on rough, absorbent surfaces at low temperatures.

EPAR 122 COLD CURE is also used as a concrete crack and joint repair system in low temperature applications.

4.0 APPLICATION INSTRUCTIONS

- 4.1. SURFACE PREPARATION. Thoroughly clean the jointing surfaces of all extraneous matter, especially oil and grease. Laitance should be removed from concrete surfaces mechanically or by acid etching. For best results, steel surfaces should be prepared by sand blasting or grinding. All surfaces should be dry.

EPAR 122 COLD CURE

TECHNICAL DATA Continued

4.0 APPLICATION INSTRUCTIONS (continued)

- 4.2. Read and follow all instructions and safety precautions on the product label and materials safety datasheet. EPAR 122 COLD CURE hardener is corrosive. Wear protective gloves and chemical goggles when using this product.
- 4.3. MIXING. Accurately measure sufficient resin and hardener to be used within material's pot life. Mix thoroughly preferably using a paint stirrer fitted to a low speed electric drill. During the mixing process scrape the bottom and sides of the container at least once with a spatula or similar tool to ensure all components are incorporated. Mixing should continue for approximately 5 minutes until the epoxy is clear and streak free. Take care to avoid air entrapment.
- 4.4. EPAR 122 COLD CURE can be mixed with clean, dry aggregate. When it is to be mixed with aggregate, resin and hardener should first be mixed as above. Aggregate to be added to the epoxy must be completely dry. Blend in sufficient aggregate to obtain the desired viscosity and mix until an even texture is obtained.
- 4.5. PRIMING: Concrete cracks and joints that are to be filled with a cold-curing epoxy grout or EPAR 122 Cold Cure should first be primed with unfilled EPAR 122 COLD CURE. For best results, brush apply a thin coating of EPAR 122 COLD CURE, working it well into the substrate. Fill the crack or joint with the epoxy filler while the prime coat remains tacky; do not allow the primer to cure for more than 24 hours before filling the crack or joint. If the primer is left for more than 24 hours, it will have to be mechanically etched, cleaned and then recoated with EPAR 122 Cold Cure epoxy.
- 4.6. CLEAN UP. Hands and equipment should be washed with soap and water before curing is advanced.
- 4.7. Refer to product label for additional details.

5.0 PRECAUTIONS

Wear appropriate personal protective equipment when using this product. Avoid skin and eye contact. Do not breathe vapours.

Read product labels before use. Read Safety Data Sheet for complete handling and first aid details.

Mix whole pack (3L or 6L) only if it can be used comfortably within 15 minutes (pot life will be shorter in warm weather).

6.0 PACKAGING

3 Litre & 6 Litre Packs



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