



PERMA • BOND CRACK REPAIR

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PRODUCT DESCRIPTION

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Perma•Bond Crack Repair is a 100% solids, 2-component, moisture-tolerant, low-viscosity, high-strength, multi purpose, epoxy resin adhesive.

USES

Gravity feed of cracks in horizontal concrete and masonry. Low pressure injection of cracks in structural concrete, masonry and wood. Grouting bolts, dowels and pins.

ADVANTAGES

Five times stronger than concrete. Convenient, easy to use single tube cartridge. Fits standard caulk guns. Deep, penetrating and tenacious bonding of cracks in structural concrete. No mess - self mixing.

CARTRIDGE SET-UP

Remove twist-cap and port plug from top of cartridge. Press one of enclosed "flow restrictors" into opening. Insert one of enclosed static mixers (nozzles) through twist-cap and attach threading. Insert the Perma•Bond cartridge into a good quality caulk gun. Point upward during initial squeeze of gun's trigger to purge any entrapped air. As mixed resin approaches end of nozzle, discard rest of initial squeeze and portion of next squeeze to ensure uniform blend of adhesive components.

TECHNICAL DATA

CHARACTERISTICS

Color:	Clear Amber
Package:	Pint Cartridge
Coverage: (Per Tube)	11 Cu. In. Epoxy Resin
Mix Ratio:	A to B = 2:1 Vol
Viscosity:	375 cps at 72°F
Pot Life:	25 Min. at 72°F
Tack Free:	40°F = 14 Hrs 72°F = 3 Hrs
VOC:	22 g/l
Tensile:	7 day = 7,000
Compressive:	1 day = 6,000 14 day = 12,000
Flexural:	14 day = 11,000
Shelf Life : Unopened	2 Years
<u>COMPOSITION</u>	
Part A:	Modified Epoxy Resin
Part B:	Cyclic & Aliphatic Blends

PRODUCT APPLICATION

SURFACE PREPARATION

Surface must be clean, dry and free of dirt, dust, oil, grease, water or other substances that could affect adhesion. Remove dust from crack by brushing or blowing clean with oil-free compressed air.

APPLICATION

To gravity feed cracks, blow vee-notched crack clean with oil-free compressed air. Dispense Perma•Bond into vee-notched crack. Continue placement until completely filled. Seal underside of slab prior to filling if cracks reflect through. Minimum substrate and ambient temperature 40°F (4°C). Maximum substrate temperature is 95°F (35°C). Minimum age of concrete must be 2128 days, depending on curing and drying conditions. Do not apply over wet, glistening surface. Not for injection of cracks subjected to osmotic or hydrostatic pressure during application. Do not inject cracks greater than 1/8 in. (3 mm).

CLEAN-UP

Uncured material can be removed with approved solvent. Follow solvent manufacturer's instructions for use and warnings. Cured material (when Part A combined with Part B) can only be removed mechanically. In case of spill, ventilate area and contain spill; collect with absorbent material. Dispose of in accordance with current, applicable local, state and federal regulations.