

PPC EPOXY CRACK FILLER

PRODUCT TECHNICAL DATA SHEET

PPC EPOXY CRACK FILLER is a two-component epoxy gel system engineered for crack treatment and structural repair. The formulation is 100% solid, solvent-free, VOC-free, and produces negligible odor during application. Its rheology allows for easy placement on both horizontal and vertical substrates without slump.

The system features a short pot life with functional cure achieved in approximately 4 hours, enabling subsequent base coat or primer application within the same workday. **EPOXY CRACK FILLER** exhibits high mechanical strength and superior chemical resistance, making it suitable for demanding commercial and industrial service conditions.

Chemistry is based on high-performance cycloaliphatic polyamine curing technology, providing enhanced durability, thermal stability, and long-term resistance to aggressive environments.

WHERE TO USE

- Manufacturing facilities and distribution warehouses
- Commercial shopping complexes
- Office and administrative buildings
- Retail environments
- Multi-level and open parking structures
- Food and beverage processing or preparation plants
- Public institutions such as hospitals, schools, and government buildings
- Pharmaceutical production and research facilities
- General commercial environments
- Any location requiring structural crack treatment and repair

ADVANTAGES

- Solids Content: 100%
- VOC Content: 0 g/L (VOC-free, solvent-free)
- LEED® Credit Potential: Yes
- Odor: Negligible
- Compatibility: Epoxy & Polyaspartic systems
- Application: Horizontal & vertical (non-sag)
- Recoat Window: 24 hrs
- Rheology: Maintains thixotropy during exotherm
- Pot Life: Extended working time
- Cure Profile: Fast cure / same-day turnaround

PACKAGING & COLORS

Packaging: 2 US gal kit (7.57 L)

Color: Clear

MIX RATIO

PPC Crack Repair Fast mix ratio is 1A:1B, meaning one part A (resin) to one part B (hardener) by volume.

SHELF LIFE AND STORAGE

12 months in original unopened factory sealed containers. Store in dry cool place between 50F and 89°F (10 and 32°C). Keep out of direct sunlight and away from fire hazards.

RESTRICTIONS

- Avoid exterior use on substrates at ground level.
- Humidity content of substrate must be < 4 % when coating is applied
- Substrate temperature must be 5.5°F (3°C) above dew point measured
- Maximum relative humidity during application and curing: 85 %
- Minimum/Maximum temperature of substrate: 50°F / 86°F (10°C / 30°C)

PHYSICAL/CHEMICAL CHARACTERISTICS

Percentage solids by weight.....	100%
Mix Ratio (By Volume).....	1A:1B
Approximate Coverage.....	333 sq.ft/lt
Viscosity.....	Gel
Elongation.....	40-55% /ASTM D 638
Application Temperature.....	Min 50F Max 86F
Thinner.....	Not required
Working Time.....	15-20 Minutes @71F and 55% RH
Recoat window.....	24 Hours @71F and 55% RH
Drying times (Relative humidity 55% - 71°F(22°C)	
Dry to touch.....	2 – 4 hrs
Shelf life.....	12 months in original, unopened packaging under normal storage conditions.
USDA / FDA & ACIA.....	Meets the requirements

PROPERTIES @ 71°F (23°C) AND 50% R.H.

- * Times are approximate and will be affected by changing ambient conditions, especially changes in temperature and relative humidity.
- * The indicated mileage is calculated for flat surfaces. A porous or imperfect surface will require more material to cover the same mileage.

OVERVIEW OF INSTALLATION STEPS

Surface Preparation: The surface must be cleaned before the application of the product. BLASTRAC, sand blasting, diamond grinder w/30 grit or coarse, or water blasting is highly recommended to remove surface contaminants. Any oils and fats must be removed prior to product application. The surface must be primed and allowed to dry before the application of the product. Compression resistance of concrete must be at least 25 MPa (3625 lbs/inch²) after 28 days and traction resistance must be at least 1,5 MPa (218 lbs/inch²).

Mixing: Mix each component separately. Pour component B into component A using the proper mixing ratio. Mix together both components for not more than 3 minutes. Only prepare quantity that may be applied during pot life.

Application:

Apply and pour the mixed product on the prepared surface.

- Application Method: Trowel or spatula
- Maximum Layer Thickness: up to 1/4" (6 mm)
- Coverage Rate (est.): ~333 linear ft/L at 1/8" × 1/8" (3 mm × 3 mm) profile

Apply only during decreasing temperatures. Do not apply during rising temperatures (morning), as air expansion within the concrete can cause outgassing. Recommended application time is late afternoon, particularly for exterior concrete surfaces.

Overlaps

Subsequent overlaps must be applied when primer is still wet or tacky. If primer has dried reprime. Porous substrates may require multiple priming.

Cleaning

Clean all application equipment with a specified cleaner. Once the material hardens it can only be removed mechanically. If the product splatters, wash thoroughly with hot soapy water.

HEALTH AND SAFETY

In case of skin contact, wash with water and soap. In case of eye contact, immediately rinse with water for at least 15 minutes. Consult with a doctor. For respiratory problems, transport victim to fresh air. Remove contaminated clothes and clean before reuse. For more information, consult the material safety data sheet. Components A and B contain toxic ingredients. Prolonged contact of this product with the skin is susceptible to provoke an irritation. Avoid eye contact. Contact with may cause serious burns. Avoid breathing vapors release from this product. This product is a strong sensitizer. Wear safety glasses and chemical resistant gloves. A breathing apparatus filtering organic vapors approved by the NIOSH/MSHA is recommended. Predict suitable ventilation. *Consult the material safety data sheet for further information. *

LIMITATIONS:

Avoid contact with Part A and B as they may cause skin and/or eye irritation. In case of contact, immediately flush area with copious amounts of clean water for at least 15 minutes. Seek medical attention. Applicators should cover hands with impervious gloves. Wash hands thoroughly with soap and water after use, and before eating, smoking, etc.

PPC warrants its products to be free of manufacturing defects and that they will meet PPC current published physical properties. PPC warrants that its products, when properly installed by a state licensed contractor according to PPC guide specifications and product data sheets over a sound, properly prepared substrate, will not fail for a period of 12 months. Seller's sole responsibility shall be to replace that portion of the product which proves to be defective. There are no other warranties by PPC of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. PPC shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. PPC shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, fading, chalking, staining, shrinkage, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. PPC reserves the right to conduct performance

tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

DISCLAIMER

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user's responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and PPC makes no claim that these tests or any other tests, accurately represent all environments. For further information please contact us at the following email address: orders@premierprotectivecoatings.com or visiting www.premierprotectivecoatings.com

DISPOSAL

Any surplus material, including both Part A and Part B components, should be combined and allowed to cure. Upon curing, the product can be disposed of without any restrictive conditions. Uncured materials should be securely stored in an appropriate sealed container and disposed of in strict adherence to the applicable provincial, state, municipal, and federal regulations.

CAUTION

ALWAYS KEEP OUT OF THE REACH OF CHILDREN
KEEP FROM FREEZING CONDITIONS
INTENDED FOR INDUSTRIAL USE ONLY