CRETEFILL PRO 85™



Product Description

CreteFill Pro 85 is used to fill control joints (new or damaged) and random cracks on horizontal concrete. It is slightly flexible, allowing small slab movement, yet strong enough to protect the vertical edges of concrete from chipping under extreme loading. CreteFill Pro 85 is tack free in 10-12 minutes and can be reopened to vehicle or foot traffic in 1-hour.

CreteFill Pro 85 is recommended for use on interior horizontal concrete surfaces, including, but not limited to:

- Airports
- Bottling and canning facilities
- Food processing facilities
- Freezers and cold storage
- Industrial and warehouse floors
- Manufacturing facilities
- Parking garage decks
- Pulp and paper mills
- Waste water treatment plants

Product Benefits

- Polyurea elastomer *Superior to epoxy fillers!*
- Self-leveling
- Flexible in cold temperatures
- 100% Solids *Does not shrink when curing!*
- 1:1 Ratio
- Moisture insensitive
- Polishes without smearing
- Minimal to no staining
- Returns floor to service in 1-hour
- Meets USDA & FDA requirements and California VOC and AQMD requirements
- Contributes to USGBC's LEED IEQ Credit 4.1

Form & Availability

Packaging: 22 oz (651 mL) cartridges
10 gal (38 L) kits

Technical Data

Mix Ratio (by volume)	1:1
Viscosity @ 75°F/24°C	
Side-A	850 ± 100 cps
Side-B	1000 ± 100 cps
Pot Life @ 80°F/27°C, ASTM D2471	35 seconds
Tack Free	10-12 minutes
Initial Cure	15 minutes
Final Cure	60 minutes
Shore A Hardness, ASTM D2240	82 ± 3A
Tensile Strength, ASTM D412	2000 ± 200 psi 13.79 ± 1.4 MPa
Elongation, ASTM D412	250 ± 30%
Tear Strength, ASTM D624	250 ± 30 pli 43.8 ± 5.3 N/mm
Volatile Organic Compounds Side A&B Combined ASTM D2369-81	<0.46 lbs/gal 55 g/L

Appearance: Untinted; standard and special colors available

Shelf Life: 1 year in original, unopened container

Storage: Recommended storage temperature:
75-85°F (23.8-29.4°C)
Do not store below 55°F (12.8°C)

Preparation & Installation Guidelines

Joints may be damp, but ensure there is no standing water. Remove dust, grease, curing compounds, waxes, foreign particles and disintegrated materials.

Recommended Pumping Equipment

The **CreteFill Pro Polyurea GC-13 Pump** (13-gal capacity) designed by Curecrete is one-man operational, easy-to-clean, has adjustable flow volumes, is lightweight and built to last.

Application

In cold weather temperatures, slowly precondition the product to a minimum of 70°F (21°C).

Side-A requires no mixing. Mix side-B for 3 minutes with a drill and jiffy mixer or shake for at least 60 seconds if using a cartridge.

Using a metered pump, such as the CreteFill Polyurea Pump, dispense a small amount of product to ensure proper mixing of components. The material must be dispensed at a 1:1 ratio. Ensure that the pump is not out of calibration.

For cartridges, remove the end-cap from the cartridge and attach the static mixing nozzle. Tighten until secure. Load the cartridge into the dispensing tool with the cartridge pointed up. Slowly pump material to the top of the mixer to purge air from the cartridge. Tilt the dispensing tool down and purge 3 shots of material into a waste container. Keep the cartridge tilted down and apply material as desired.

Use a heater when required. Material can be applied at environmental temperatures between 20-135°F (-6.6-57°C).

For best adhesion, joints should be dry. Slightly overfill joints and allow product to cure for 30-40 minutes before shaving flush with the surface of the floor.

Special Considerations

- For professional and industrial use only.
- Do not thin product. Solvents will prevent proper cure.
- Not for sealing cracks under hydrostatic pressure.
- Material is a vapor barrier after cure.
- Normal recommended time frame for installation of joint fillers is between 4 and 6 months after slab placement. Installation at 28 days is therefore premature if long-term adhesion is desired. Early installation can be done, however, protect the joints from heavy construction traffic. Separation from early installation and subsequent slab shrinkage does not constitute product failure. Even when separated, the joint filler will continue to transfer loads across the joint and prevent spalling.
- Not to be used in moving cracks or expansion joints.
- Exposure to ultraviolet light may cause discoloration, however, the physical properties are unaffected.

Clean Up

Cured product may be disposed of without restrictions. Excess side-A and side-B material should be mixed together and allowed to cure, then disposed of in the normal manner. Cured materials may be stripped or peeled from plastic tools and containers. It is recommended that metal tools be cleaned within 1-hour of use by cutting or peeling cured material from tool.

Safety & Handling

All personnel should read and understand the product Safety Data Sheets provided. This product contains isocyanates and curatives.

Tools & Resources

Product Estimating Calculator

Standard Color Chart

Chemical Resistance Chart

Safety Data Sheet (SDS)

Product Distribution

Curecrete Distribution, Inc.
1203 Spring Creek Place
Springville, UT 84663 USA

Phone: 801.489.5663
Free: 800.998.5664
Fax: 801.489.3307

WARRANTY - Satisfactory results depend not only upon quality products but also upon factors beyond our control; methods of application and site conditions are examples of such factors and can affect product performance. This warranty consequently extends only to products installed in strict accordance with the manufacturer's specifications.

It is the user's responsibility to test the suitability of the product for the intended use. The user assumes all risk and liability resulting from the use of the product. The substrate to which the product is applied must be sound structurally and otherwise. Structural or substrate failures or imperfections resulting in damage to or failure of the product are not covered by this warranty. Since the use of the product is beyond the control of the manufacturer, the manufacturer assumes no liability for misapplication and misuse of the product. This warranty does not cover consequential damages, nor does it cover the labor attendant to replace product in the event of a product failure. The warranty only extends to replacement of the product itself. All products proven to be defective in manufacture will be replaced at no charge. Since the use of these products is beyond our control we cannot assume any risk or liability for results obtained, nor can we accept damages in excess of the purchase price of these products.

Curecrete warrants this product to be free from any manufacturing defects.