



# CRETEFILL PRO 85™

MOISTURE INSENSITIVE



## Product Description

**CreteFill Pro 85™ Moisture Insensitive (MI)** is designed to fill the joint leaving a smaller bead on the surface, making it much easier to shave. It is a technologically advanced, self-leveling, non staining, 100% solids, two component, 1:1 ratio, polyurea elastomer joint and crack filler. It is designed for concrete with low to medium thermal cycling. CreteFill Pro 85 MI cures rapidly and consistently in applications ranging from 30°F to 130°F (-1.1°C to 54.4°C) and is tack free in 4 minutes. Joints can be reopened to vehicle or foot traffic in 1 hour.

CreteFill Pro 85 MI is designed to fill and protect joints specifically for industrial floor applications that are subject to heavy vehicle traffic, such as forklifts or steel-wheeled carts. It is used to fill interior random cracks, damaged control joints, or new control joints on horizontal concrete. It is slightly flexible, allowing small slab movement, yet strong enough to protect the vertical edges of concrete from spalling under extreme loading. Exposure to ultraviolet light may cause discoloration, however the physical properties are unaffected.

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

- Industrial and Warehouse Floors
- Manufacturing Facilities
- Pulp and Paper Mills
- Bottling and Canning Facilities
- Airports
- Water and Waste Water Treatment Plants
- Food Processing Facilities



## Product Benefits

- Moisture insensitive
- 100% solids, contains no VOCs
- Can be polished without smearing
- When properly applied, produces minimal to no staining
- Meets USDA & FDA requirements
- Contributes to USGBC's LEED requirement of IEQ Credit 4.1
- Remains flexible, even in cold temperatures
- Returns project to service in 60 minutes
- Cures from 30°F to 130°F (-1.1°C to 54.4°C)
- Odorless, no toxic vapors
- Resistant to petrochemicals

## Technical Data +

|   |             |   |
|---|-------------|---|
| <b>Color A+B:</b>                           |             | Semi-Clear                                  |
| <b>Viscosity (Mixed)</b>                    |             | Self-Leveling                               |
| <b>Mix Ratio (By Volume)</b>                |             | 1:1   |
| <b>Pot Life, 100 grams at 77°F / 25°C</b>   |             | 30 Seconds                                  |
| <b>Tack Free (Thin Film) at 77°F / 25°C</b> |             | 4 Minutes                                   |
| <b>Initial Cure</b>                         |             | 15 Minutes                                  |
| <b>Final Cure</b>                           |             | 60 Minutes                                  |
| <b>% of Elongation</b>                      | ASTM D-412  | 280 Minimum                                 |
| <b>Tensile Strength</b>                     | ASTM D-412  | 960 psi Minimum<br>6.62 N / mm <sup>2</sup> |
| <b>Tear Strength, pli, Die C</b>            | ASTM D-624  | 195 psi Minimum<br>34.15 kN / m             |
| <b>Shore "A" Hardness</b>                   | ASTM D-2240 | 85-87 A                                     |
| <b>VOC Content (A&amp;B)</b>                |             | 0   |



## Form & Availability

|                     |  |
|---------------------|--|
| <b>Packaging:</b>   | 22 oz. (651 mL) cartridges - 12/case<br>10 gallon kits (38 L)  |
| <b>Appearance:</b>  | Semi-clear; custom colors available  |
| <b>Shelf Life:</b>  | 1 year in original, unopened container   |
| <b>Storage:</b>     | Recommended storage temperature:<br>75°F to 85°F (23.8°C to 29.4°C);<br>Do not store below 55°F (12.8°C) |
| <b>Consistency:</b> | Pourable, self-leveling liquid   |
| <b>Pot Life:</b>    | Approximately 30 seconds (100 gram mass)   |



## Preparation and Installation Guidelines

Surface must be clean, sound and dry. Remove dust, grease, curing compounds, waxes, foreign particles and disintegrated materials. Joints may be damp, but no standing water.

### Bulk Mixing Instructions

For bulk mixing, use a 1:1 ratio metered pump. Only component "B" side needs to be stirred before being loaded into the pump. Do not allow material to reside in static mixing head or nozzle for more than 30 seconds or nozzle blockage may result.

### Recommended Pumping Equipment

The **CreteFill Pro Polyurea Pumps GC-6** and **GC-13** are specially designed pumps offered in two sizes (6 and 13 gallon capacity) by Curecrete. Both are one-man operational, includes gear drive, are easy-to-clean, have adjustable flow volumes, are light weight and built to last.

## Special Considerations

- 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.

## Clean Up

Cured product may be disposed of without restrictions. Excess liquid 'A' and '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 one hour of use by cutting or peeling cured material from tool.

## Safety and Handling

All personnel should read and understand product the product Safety Data Sheets provided. Long-sleeved overalls or disposable overalls, rubber gloves, splash shields, rubber or leather boots should be worn. Do not use near high heat or open flame. Do not take internally. Keep out of the reach of children.

## First Aid

Remove any contaminated clothing. For eye contact, flush immediately with plenty of water for at least 15 minutes. Contact a physician immediately. For respiratory problems, remove person to fresh air. For skin contact, remove polyurea immediately with a dry cloth or paper towel. Wash contact area thoroughly with soap and water. Solvents should not be used because they carry the irritant into the skin. Wash contaminated clothing prior to reuse. Cured products are innocuous.

## Warranty Information

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.

## Chemical Resistance

Test Procedure; ASTM D-1308 @ 72°F / 22.2°C

R = Recommend  
 RC = Recommend Conditional = Some Swelling or Discoloration  
 N = Not Recommend  
 1 = Some Discoloration Only

| Chemical                      | Result |
|-------------------------------|--------|
| Acetic Acid 10%               | R      |
| Acetone                       | RC     |
| Battery Acid (Sulfuric Acid)  | RC     |
| Brake Fluid                   | R      |
| Chlorine (2,000 ppm in water) | R      |
| Citric Acid                   | R      |
| Gasoline                      | R      |
| Hydraulic Oil                 | R-1    |
| Methanol (5%) Gasoline        | RC     |
| Motor Oil                     | R-1    |
| Toluene                       | RC     |
| Vinegar                       | R      |
| Water                         | R      |
| Xylene                        | R      |

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.

## Technical Support & SDS

For technical information and assistance call Curecrete at (800) 998.5664.

For SDS information, please scan the code or visit <http://www.curecrete.com/literature>.



## 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