



## Product Description

The **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). Product is tack free in 4 minutes. Applications 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 and exterior applications when little joint or crack movement from thermal cycling will occur. 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, psi</b>	ASTM D-412	960 Minimum
<b>Tear Strength, pli, Die C</b>	ASTM D-624	195 Minimum
<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 10 gallon kits (38 L)
<b>Appearance:</b>	Somewhat clear; custom colors available
<b>Shelf Life:</b>	1 year in original, unopened container
<b>Storage:</b>	Recommended storage temperature is between 75°F to 85°F (23.8°C to 29.4°C). 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.
- Not to be used in moving cracks or expansion joints.

## Special Considerations *(Continued)*

- 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, to 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.



### 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 1 hour of use by cutting or peeling cured material from tool.



### Safety and Handling

All personnel should read and understand this product's Safety Data Sheet (SDS). Recommended protective equipment/clothing: long-sleeved overalls or disposable overalls, rubber gloves, splash shields, rubber or leather boots. 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 physician immediately. For **respiratory problems**, remove person to fresh air. For **skin contact**, remove polyurea immediately with a dry cloth or paper towel. Wash area of contact 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.



### Technical Information & Safety Data Sheet (SDS)

Technical information and assistance can be obtained by calling Curecrete at 1.800.998.5664.



Please scan the code for this product's Safety Data Sheet (SDS).



### Product Distribution

Curecrete  
1203 Spring Creek Place  
Springville, UT 84663 USA

Phone: 801.489.5663  
Free: 800.998.5664  
Fax: 801.489.3307

## 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



### 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. It is the users responsibility to satisfy himself, by his own information and tests, of the suitability of the product for his own intended use; user assumes all risk and liability resulting from his 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 the 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 manufacturing 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.