

# CrownCrete-U<sup>TM</sup>

*Cementitious Urethane Flooring Systems*



# About **CrownCrete-U™**

CrownCrete-U is a family of urethane mortar flooring systems from Crown Polymers offering long-lasting, and durable flooring performance.

CrownCrete-U's rapid installation and quick application time minimize facility downtime. These products are engineered to meet the rigorous challenges and demands of today's high-performance criteria — including high chemical resistance, freeze and thaw cycles, installation over green concrete after 7 days, durability, and safety.

CrownCrete-U systems offer a notable advantage in the food, beverage, pharmaceutical, and chemical industries.



## COMMITMENT TO SUSTAINABILITY

All CrownCrete-U systems have zero VOCs, and contain **RENEWABLE RESOURCES** making your project CA 01350 compliant and eligible for LEED® credits.



## CHEMICAL RESISTANT

CrownCrete-U systems offer non-porous surfaces that provide exceptional resistance to many organic acids and solvents that would otherwise degrade competitive resin flooring systems.



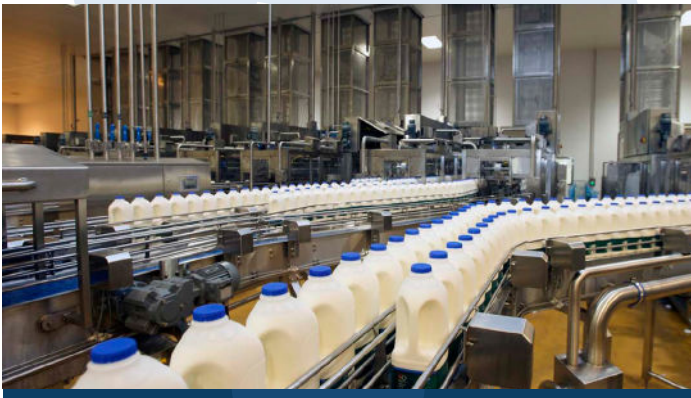
## SEAMLESS & SLIP-RESISTANT, EASY TO CLEAN SURFACES

All CrownCrete-U products provide an easy-to-clean seamless flooring system. In wet processing areas or areas subject to spillage, individual systems can be tailored for added slip resistance for increased safety.



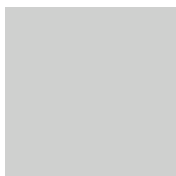
## THERMAL SHOCK RESISTANT

CrownCrete-U is designed to withstand a wide swing in temperature fluctuations, as found in hot water discharges from boilers, kitchen equipment, or steam cleaning in food processing industries. With a coefficient of thermal expansion similar to concrete substrates, CrownCrete-U flooring systems are engineered for durability and extreme thermal shock, superior to other competitors' resin-based flooring options.



## AVAILABLE COLORS

Un-pigmented, light gray, and dark gray colors are stock items. For other colors options, please contact us for availability.



Gray



Dark Gray



Charcoal



Tile Red



Chestnut

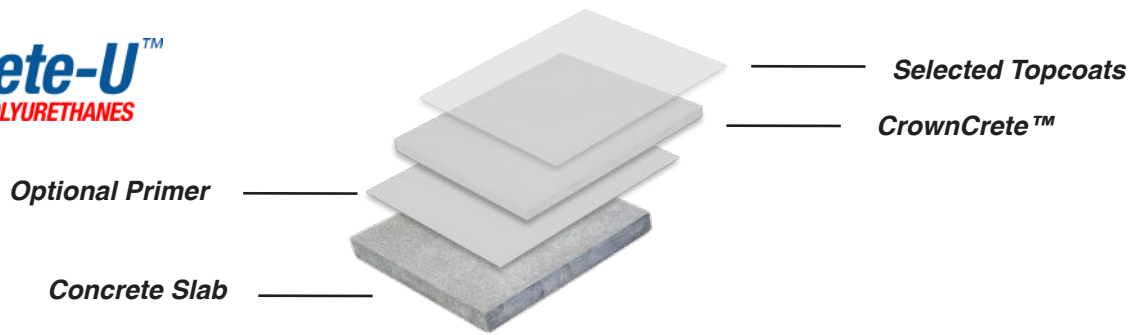


Blue



Green

NOTE: Individual results may vary. Differences in chemical composition, thickness, application methods and job-site conditions may cause slight variations of individual colors across the various products. Colors may also be affected by age, heat and exposure to ultraviolet light from natural sunlight and overhead lighting (non-UV stable products). Crown Polymers recommends obtaining an actual color sample for best representation.



**A MULTI-FUNCTIONAL URETHANE CEMENT SYSTEM**  
*Easy to Apply, Fast Return to Service, Heavy Duty Strength*



WIDE TEMPERATURE SERVICE RANGE  
FROM -50 TO 200°F (-45 to 93° C)



EXTREMELY HIGH BOND STRENGTH  
TO CONCRETE



HAS YEARS OF SUCCESSFUL INSTALLATION  
COMPARED TO EPOXY AND / OR MMA



SIMILAR THERMAL EXPANSION  
TO CONCRETE



CAN BE APPLIED TO 7-10 DAY  
OLD CONCRETE



EXCELLENT IMPACT RESISTANCE



FAST CURING



UNAFFECTED BY  
FREEZE-THAW  
CYCLES



LITTLE TO  
NO ODOR

## PRODUCT OPTIONS

### CrownCrete-U 1/8" Self-Leveling

**Product No. 818**

*Light to Medium Duty Floor System applied at 1/8" to 3/16" and installed over flat substrates.*

- Super Smooth Surface
- Self-leveling
- Self-priming
- Smooth and textured surface options

### CrownCrete-U 1/4" Slurry Grade

**Product No. 814**

*Heavy Duty Floor System*

- Robust flooring system
- Can be used as self-leveling or slurry
- Excellent thermal shock resistance
- Ideal for freezer room

### CrownCrete-U Cove

**Product No. 811**

- Attractive appearance
- Creates a seamless monolithic flooring system
- Can be installed 1/16" - 1/4" thick cove
- High thermal shock and chemical resistance

### Crown Polymers Performance Topcoat(s) Optional

- UV stable polyurethane and polyaspartic
- UV Resistant epoxy topcoat
- Chemical resistant
- Functional to high performance
- Gloss and matte finish

### CrownCrete-U Skim Coat

**Product No. 810**

*Multi-functional performance coating applied at 8-16 mils*

- All-purpose coating
- Can be used primer mid-coat / topcoat or seal-coat
- Can be used as patching and coving when mixed with suitable aggregates
- Can be used as a stand-alone broadcast system

### CrownCrete-U Trowel Grade

**Product No. 838**

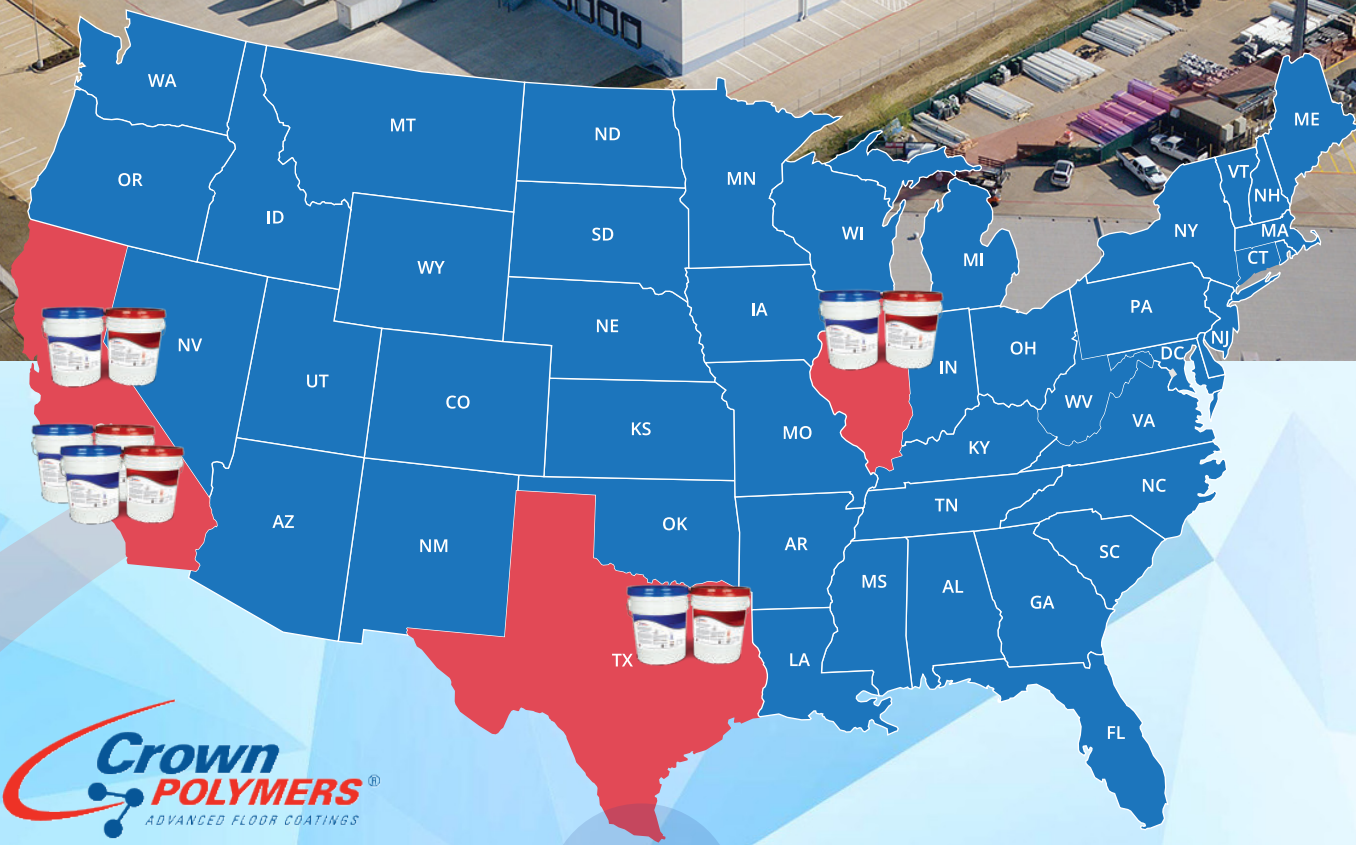
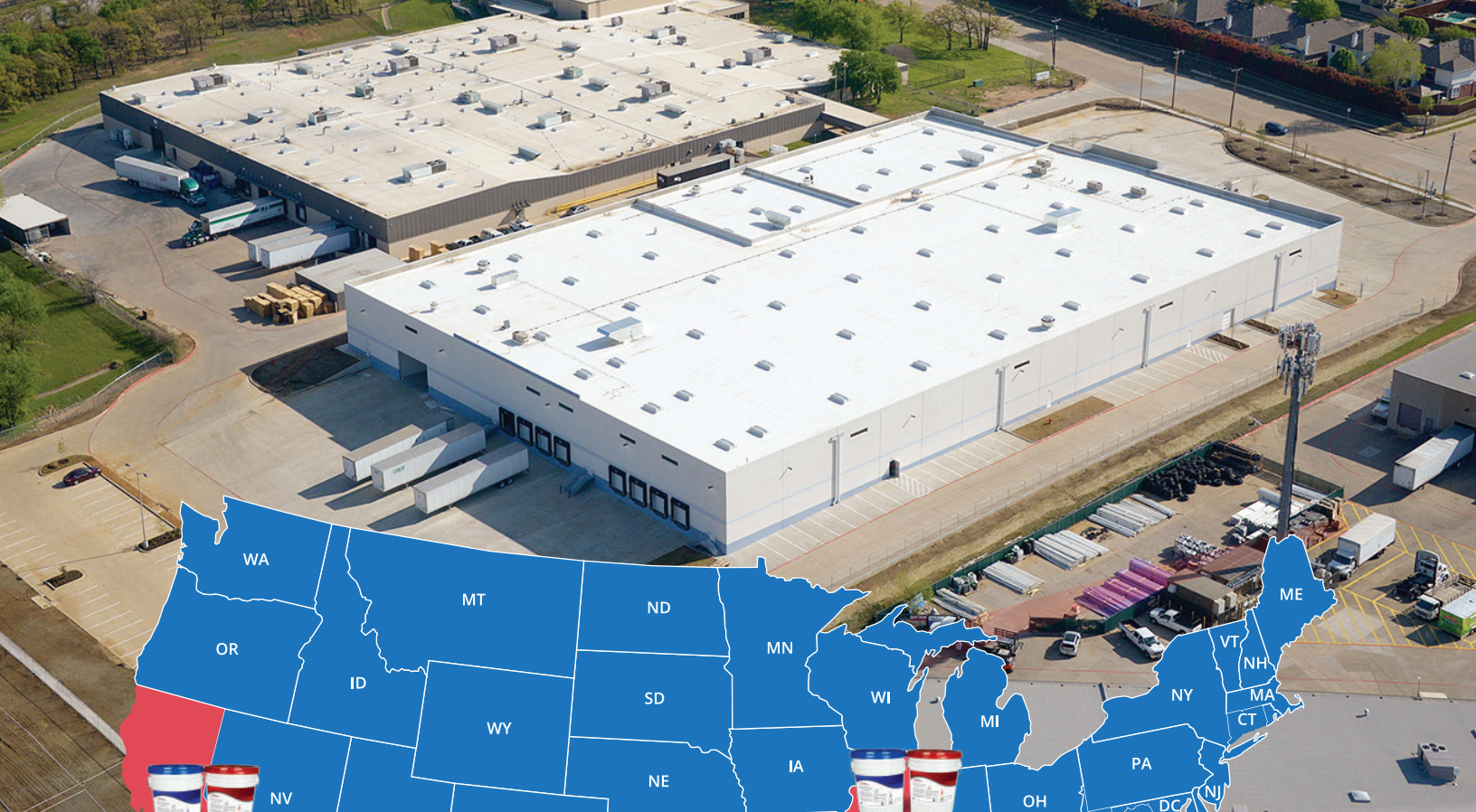
*High-build maximum performance, Trowel-applied system*

- Heavy duty flooring system
- High flow trowel grade
- Highest thermal shock resistance
- Designed for slopping and pitching

### CrownCrete-U Screed

**Product No. 839**

- Heavy duty flooring system
- High flow screed grade
- Highest thermal shock resistance
- Superior Impact Resistance



With over 30+ years of industry experience, Crown Polymers is one of the nation's leading manufacturers of high-performance epoxy and urethane-based floor coating products and concrete repair systems for commercial, institutional and industrial floors. Crown's production capabilities span across California, Texas, and Illinois with over 1,000,000 square feet of manufacturing space.

## GET IN TOUCH

11111 Kiley Drive, Huntley IL, 60142

13827 Carmenita Road, Suite 200,  
Santa Fe Springs, CA 90670

2051 Reliance Pkwy, Bedford, TX 76021

Telephone: (847) 659-0300  
Website: [crownpolymers.com](http://crownpolymers.com)  
Email: [info@crownpolymers.com](mailto:info@crownpolymers.com)



### DISCLAIMER

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests. The accuracy and completeness of such tests are not guaranteed and are not to be construed as a warranty, expressed or implied. It is the responsibility of the user to document information and tests to determine the intent of the product for ones' own use. The application, job conditions and user assumes all risks and liability resulting from use of the product. We do not suggest or guarantee any hazards 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 written or verbal, 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 Crown Polymers makes no claim that these tests or any other tests accurately represent all environments. Not responsible for any typographical errors.

All registered trademarks are of Crown Polymers Corp. unless otherwise noted.  
© Crown Polymers Corp., 2023 Printed in the US

