



Crown Polymers, LLC.  
11111 Kiley Drive  
Huntley, Illinois 60142

info@crownpolymers.com  
www.crownpolymers.com

847.659.0300 Phone  
847.659.0310 Facsimile  
888.732.1270 Toll Free

# CrownSpatter™

Product Description Sheet No. 312 - Epoxy

Product Description Sheet No. 313 - Polyurea

## A Decorative Composite Polymer Overlay System that Becomes a Monolithic Part of the Concrete with Colors and Original Designs Extraordinary Performance and Appearances

### DESCRIPTION

CrownSpatter™ is a two-component pigmented epoxy or polyurea polymer floor system. Each composite formula design is a 100% solids, 100% reactive, creating a low viscosity coating system that is protective, stylish and customized to each customer likes.

### POLYMER CHOICES

The base coat for each system is an epoxy for best adhesion to concrete:

**CrownSpatter, Product No. 312**

For areas with no UV exposure use an epoxy:

Intermediate coats:

**CrownSpatter, Product No. 312**

Top coat:

**Crown Clear, Product No. 326**

For areas with UV exposure use a polyurea:

Intermediate coats:

**CrownSpatter, Product No. 313**

Top coat:

**CrownPro 4 or 6, Product No's. 330 & 333**

The intermediate coats provide the color, spatter shape, design and style. Every project is an individual piece of art. The clear top coat provides protection for the pigmented intermediate coats and provides the necessary anti-slip surface profile.

### APPLICATION METHOD

An innovative low-pressure spray-on method is used to create the composite blend shape and size. This is the creative design portion of the application coupled with depth perception, design, and color selection. CrownSpatter is uniquely the best.

### USES

The real beauty of CrownSpatter is not just what you see. It's what you see year after year. It's a great return on your investment long after the placement.

- Concrete or Wood Floors
- Indoor or Outdoor Applications
- Retail Sales Areas
- Lobby and Building Entrances
- Product Showrooms
- Restaurant and Food Eating Areas
- Pool and Patio Decks
- Garage Floors
- Automobile Service Areas

CrownSpatter Expands the Possibilities of Floor Appearances

Offers Amazing Coverage, Richer and More Enduring Colors, and Resist Abrasion

### BENEFITS

This uniquely decorative floor is exclusively your design and creation. It's tough...dense and beautifully seamless. The polymer overlay wear surface is easy to maintain and reduces your annual maintenance cost because you never wax it. Upon curing, it becomes a monolithic part of the concrete, increasing its durability and life cycle. Different surface appearances are achievable from smooth to aggressive textures. The use of CrownAccent as a transparent top coat can enhance the look of the overlay. Attractive patterns of colorful blends, borders and artistic shapes also add a new look. It's your floor...it's your creation. Enjoy its uniqueness!

### ADVANTAGES

- Each floor becomes an unique creation
- Unlimited design possibilities
- Adjustable overlay thickness
- Monolithic attachment to concrete
- Nearly No Odor during application
- Excellent working time & very safe to use
- Cures and adheres on dry or damp concrete
- Applicable and curable down to 40°F (5°C)
- 100% solids, No VOC's, No shrinkage
- U.V. resistant - high gloss or satin finish
- Creates a dense, non-porous overlay that's easy to clean and maintain - No waxing required
- Complies with USDA, FDA, OSHA, ADA and LEED® "Green" requirements



Select from hundreds of color choices in marble, mottled, spangled, speckled, stripped or spotted seamless designs.



Rich color schemes and high performance polymers create the CrownSpatter floor. It's a great experience and smart selection for any floor environment.



It resists abrasion, wet conditions and weathering. If your goal is simply lasting protection, easy to clean, safe walking surface, CrownSpatter could offer your truest long term value.

**Manufacturer of Industrial, Commercial, Institutional & Residential Floor Coatings and Concrete Repair Products.**

# How To Apply CrownSpatter™

## COMPOSITE THICKNESS

Overlay thicknesses vary depending on the color selection and anti-slip surface texturing. The typical thickness will range from 40 to 100 mils.

## LIMITATIONS

- Do not apply when substrate temperature is below 40°F (5°C).
- Once CrownSpatter Additive, Product No. 314, has been added to the polymer, use the material immediately.
- Substrate temperature must be 3°C or 5°F above measured dew point temperature. See data sheet.
- DO NOT APPLY on a WET SUBSTRATE.
- DO NOT THIN - solvents could prevent proper cure.
- Pre-condition polymer as needed.
- Applied the next polymer lift within 24 hours if the ambient temperature is below 85°F and 18 hours if above 85°F.
- Withstands vapor pressure up to 3 lbs/1,000 ft<sup>2</sup>. Request data.

## FOR FIRST AID AND CLEAN-UP READ THE MSDS

Typical Physical Properties

## COLOR:

Standard and Custom Colors.  
Computerized color matching available.

## HARDNESS SHORE D: ASTM D2240

24 hours - 77

## COMPRESSIVE STRENGTH: ASTM D695

10,000 psi

## TENSILE ELONGATION: ASTM D638

>8%

## TENSILE STRENGTH: ASTM D638

3,000 psi

## WATER ABSORPTION: ASTM D570

0.20 %

## ABRASION RESISTANCE: ASTM D4060

CS-17 Wheel, 1,000 gr. Load 1,000 cycles,  
Lost 0.028g

## FLAMMABILITY: ASTM D635

Over concrete - Self-extinguishing

## CRITICAL RADIANT FLUX: NFPA 253 / FTMS 372

Greater than 1.01 watts/cm<sup>2</sup>  
ASTM D648 Class 1 interior finish

## FLEXURAL STRENGTH:

ASTM C580 4,500 psi  
ASTM D790 8,000 psi

## FLEXURAL MODULUS:

ASTM D790 500,000 psi

## THERMAL COEFFICIENT OF LINEAR EXPANSION:

ASTM D696, in./in./ °F 25 X 10<sup>-6</sup>

## IMPACT RESISTANCE: MIL-D-3134, Sec. 4.7.3

Withstands 15 ft.-lbs. without  
cracking, chipping or delamination

## INDENTATION: Mil-D-3134 No indentation

## ADHESION: ACI 503R

350 psi 100% concrete failure

## RESISTANCE TO ELEVATED TEMPERATURES:

MIL-D-3134J No slip or flow at required  
temperature of 158°F

## GLOSS RETENTION 45° SOUTH FLORIDA:

Exposure. 12 months, 98.4% @ 60°  
93.1% @ 20°

## SLIP RESISTANCE COMPLIES WITH ADA STANDARDS

## APPLICATION TEMPERATURE RANGE:

40°F - 110°F

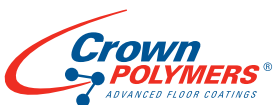
## TACK-FREE:

4 - 8 hrs recoat  
6-10 hrs pedestrian use  
24 hrs traffic use

## FULL CURE: 4-7 days

## SHELF LIFE: 1 year.

**FOR INDUSTRIAL USE ONLY**  
**KEEP OUT OF REACH OF CHILDREN**  
**KEEP CONTAINERS TIGHTLY CLOSED**



**LIMITED WARRANTY** - "Crown Polymers, LLC warrants its products to be free of manufacturing defects, to be of good quality, and that they will meet Crown Polymers current physical published properties when applied in accordance with Crown Polymers written directions and tested in accordance with ACI, ASTM and Crown Polymers Standards. Product proved to be defective will be replaced. There are no other warranties by Crown Polymers, LLC of any nature whatsoever, expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Crown Polymers, LLC 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, from any other cause whatsoever. Crown Polymers will not be responsible for use of this product in a manner to infringe on any patent held by others."

**For the Location of Your Nearest Crown Polymers Representative, Call Nationwide Toll-Free 1.888.732.1270**