

CrownClear

Product Description Sheet No. 8326

High-Build Clear Epoxy Floor Coating

Description

CrownClear, (Product No. 8326) is a two-component clear epoxy floor coating designed for decorative metallic systems. It is a high-solids, moisture-insensitive, and non-shrink.

Application Methods

The mixed polymer is to be applied via trowel, squeegee, and roller application.

Use

Used in decorative, commercial, institutional and industrial applications where the toughest heavy-duty industrial and manufacturing floor environments exist.

Benefits

When properly prepped and applied, the coating will become a monolithic part of the concrete increasing the durability and life of the floor. It can provide different appearances from smooth to aggressive textures, solid colors, and random flaked or attractive patterns of colors.

Advantages

- Complies with LEED® Green requirements
- Great working time
- Moisture-insensitive formula
- Excellent strength properties
- Excellent impact resistance
- UV Stable

Typical Coverage

Neat Base Coat: 13-20 mils (80-125 ft²/Gal)

Colors

Clear

Typical Data for CrownClear 8326

(Material and Curing Conditions at 73°F (23°C) unless noted, 50% R.H.)

Mix Ratio by Volume	Comp "A" 2 to Comp "B" 1
Potlife	20-30 minutes
Consistency	Nearly Self-Leveling
Tack Free Time	
	50°F 10-12 hours
	73°F 6-8 hours
	90°F 3-5 hours
Tensile Properties (ASTM D638)	4800 psi
Elongation (ASTM D638)	5-10 %
Hardness (ASTM D2240)	75-78 Shore D
Adhesion to Concrete (ACI 503 R)	400 PSI 100% Concrete Failure
Compressive Strength (ASTM D695)	8500 psi
Shelf-Life	1 year in original unopened containers
Packaging	1.5 Gal kit
	15 Gal Kit
	150 Gal Kit

How to Apply CrownClear 8326

Surface Preparation

Concrete and other substrates must be clean, sound, and free of dust, grease, waxes, coatings, curing compounds, and all contaminants. Typical removal methods include dust-free abrasive shot blasting. Clean the substrate to the desired surface profile for the overlay system selected. Follow the Crown Polymers Surface Preparation Guide for best results.

Test Substrate For Cleanliness and Adhesion

Before placement of the polymer overlay, test the cleaned concrete substrate for soundness and cleanliness with a Tensile Pull Test ACI 503 R (min. 200 psi) or Crown Polymers Surface Shear Test. 100% concrete must fail to pass either test without bond line failure.

Preconditioning Polymer

When temperature drops, polymers typically thicken and it becomes harder to flow or to spread the product. When the temperatures are warmer, they typically become thinner. To improve product flow-ability maintain product temperature before mixing at about 20°C (73°F). When temperature is lower than 10°C (50°F), preheat each epoxy component to 32°C (90°F) before mixing. Caution: The pot-life will be reduced significantly. It may be necessary to reduce mixed volume quantity of the batch prior to application.

Customer Satisfaction

Apply the entire overlay system to a test area to ensure that the application meets the customer's expectations or provide a sample for written approval before starting work.

Mixing

Pre-mix Component "A" for 3-5 minutes. Then pour in Component "B" into Component "A" and mix for approximately 90 seconds with a low speed paddle mixer attached to a drill (400-600 rpm). The mixed product is ready for immediate placement.

Coverage

Product coverage is dependent upon the existing substrate surface profile and thickness of the designed system. Refer to Crown Polymers Application Method Guide and Specifications.

Application Methods

Refer to Crown Polymers Application Method Guide and Specifications.

Limitations

- Substrate temperature must be 3°C to 5°F above measured dew point temperature.
- Minimum application substrate temperature is 10°C (50°F)
- DO NOT APPLY ON A WET SUBSTRATE
- DO NOT THIN – Solvents will prevent proper cure
- Aggregate must be dry when used.
- Pre-condition polymer as needed.
- Withstands vapor pressure up to 3 lbs/1000 ft².
- Apply the next coating within 24 hours if the ambient temperature is below 85°F and 18 hours if above 85°F.

Maintenance

For maximum life expectancy, routinely sweep and wash floors with appropriate cleaners and detergents. All chemicals or abrasive grit should be removed as soon as possible.

Caution

Component "A" - Irritant

Contains epoxy resins. Prolonged contact with skin may cause irritation. Avoid contact with eyes.

Component "B" - Corrosive

Contact with skin may cause severe burns. Avoid eye contact. The product is a strong sensitizer.

Important Information

Use safety goggles and chemical resistant gloves. NIOSH/OSHA approved respirator, and adequate ventilation is recommended when in a confined air space.

Clean Up

In case of spills, wear suitable protective equipment, contain spill, and collect with absorbent material and place in appropriate container. Ventilate area, avoid contact, and dispose according to applicable local, state, and federal regulations.

First Aid

In case of skin contact, wash thoroughly with soap and water. For eye contact, flush immediately with plenty of water for at least 15 minutes. For respiratory problems, remove person to fresh air. Contact physician immediately. Wash clothing before re-use. Consult Safety Data Sheet for more information prior to use.

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

LIMITED WARRANTY - "Crown Polymers Corp. warrants its products to be free of manufacturing defects, to be of good quality, and that they will meet Crown Polymers current published physical 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 Corp. 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 Corp. 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."

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