

CrownPro™ 10

Product Description Sheet No. 334

High-Build 100% Solids UV Stable Polyurea Floor Top Coating for Commercial, Residential and Industrial Traffic Use

Description

CrownPro 10, (Product No. 334) are Non-yellowing, Two-Component UV Stable Polyaspartic Aliphatic Polyurea Top Coats for Wood, Tile, Concrete and Polymer Floor and Deck Coating Systems.

Recommended Use

On Dry Concrete Slab Surfaces for Pedestrian & Vehicular Traffic. Use as Clear Coat over Flakes, CrownMica™, Crown Colored Aggregate, Build-up Pigmented System and Areas Where Extra Abrasion Protection of Pigmented Systems is Required. Adds Decorative Appearance.

Advantages

- 100% Solids
- High-Gloss, Non-Blush Film
- UV Stable
- Self Leveling Formulas
- Slow and Fast Cure Rates
- Nearly No Odor
- Excellent Strength Properties
- Excellent Impact Resistant
- Non-Flammable
- Used Neat or With Surface Broadcast for Added Skid Resistance
- Meets USDA Requirements

Packing Code

5 Gal / unit (M)
15 Gal / unit (P)
150 Gal / unit (W)

Typical Data for CrownPro 10

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

COLOR: 10 Standard Colors and Clear

VISCOSITY: 1000 –1200cps.

POTLIFE: 15-25 Minutes

APPLICATION TEMPERATURE RANGE: 5°C - 43°C (40°F – 110°F)

TACK-FREE: 8-10 hours recoat / 24 hours pedestrian use / 48 hours for traffic

TENSILE PROPERTIES: (ASTM D638)

Tensile Strength, 7 days cure, 3,100 psi

Tensile Elongation, 7 days cure, >8%

ADHESION TO CONCRETE: (Tensile Pull)

7 days cure, ACI 503 R, 400 psi, 100% concrete failure

ABRASION RESISTANCE: (ASTM D4060 - TABER)

7 days cure, Wheel No. CS-17, 1,000 Cycles, 1,000 g, loss 28 mg

HARDNESS: SHORE D (ASTM DD2240)

1 day, 77

INDENTATION: (MIL-D-3134, Para 4.7.3)

7 days cure, withstands 17 ft-lbs

WATER ABSORPTION: (ASTM D570)

7 days cure, Max 0.18%

100 MEK DOUBLE RUBS:

1 day, pass

GLOSS RETENTION, 45°, SOUTH FLORIDA:

12 Months: 98.6% @ 60° and 93% @ 20°

SLIP RESISTANCE:

Complies with Americans with Disabilities Act (ADA) Title 11, July 1992 and OSHA Standards 29 CFR-1910. Accepted Industry Standard, ASTM C1028. Coefficient of Friction Levels range from 0.5 to 1.0. Rating is depended on surface profile selected.

COMPLIANCE:

Complies with USDA and FDA Standards

SHELF LIFE:

One (1) year in original unopened containers

TIRE STAINING:

Some automotive and garden tractor tires contain additives that can leach out of the rubber and stain floor coatings. CrownPro polyurea top coatings exhibit excellent resistance to tire staining.

CHEMICAL RESISTANCE: 3 Day Immersion Test

Gasoline:	No Effect	Dissolve Rock Salt:	No Effect
Isopropyl Alcohol (antifreeze):	No Effect	Ammonia	No Effect
Motor Oil:	No Effect	Hydroxide (14%):	No Effect
Transmission Fluid:	No Effect	Sulfuric Acid: (25%):	No Effect
Brake Fluid:	No Effect	Sulfuric Acid: (50%):	Soften
		Skydrol:	No Effect
		Sodium Hydroxide:	No Effect

CrownPro 10

Fast Cure High-Build Clear Polyurea Floor Coating

Preconditioning Polymer

When temperatures drop, 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 the flow-ability of product during placement, maintain temperatures before mixing at about 20°C (73°F).

Limitations

Clear coat systems could turn a milky color if the substrate is damp or wet before application or during cure.
Do not apply below 40°F (4.4°C).
Do not apply within 5 degrees of dew temperature.
Vapor Pressure readings should not exceed 3 lbs/ 1,000 ft².
Treat with CrownCote Vapor Barrier, Product 303 if over limitation. CrownPro polyurea coatings are not as sensitive to temperature as they are to humidity. At higher humidity the coating will have a shorter potlife and open time and will cure more rapidly.

Mixing and Handling of Products

Premix the Component "A" when pigmented. Pour Component "B" into "A" and blend for 1 to 2 minutes depending on equipment being used. Do not over mix or whip air into product during mixing. Haul to application site and place the entire mixed product immediately.

Application

Apply the product with squeegee and rollers.

Cure and Open Time Between Coats

Carefully follow the open time between coats to assure proper adhesion between coats and total cure time.

Single Source Supplier

Expert technical advice combined with design and style

Crown Polymers delivers high performance polymer floor systems, coatings, precast coverings, and concrete repair products of quality, economy and durability.
Our knowledgeable technical sales staff combined with highly skilled factory trained applicators ensure the success of the markets we serve.

Crown Polymers works closely with the architect, engineer, owner and contractor with strong specifications and field support to obtain quality results.

Surface Profiles

Surface profiling is nearly unlimited. Smooth surfaces to aggressive anti-slip surface profiles are available. Pre-select the profile that is best suited for your project. Considerations should include clean ability and safety.

Clean-up

Components "A" & "B"- Ventilate area. Control spills. Collect with absorbent material.

Disposal

Dispose in accordance with current, applicable local, state, and federal regulations.

CAUTION

Before Using Read Safety Data Sheets.

Component "A"- Irritant

Contains modified cyclohexyldiamino ethylesters. Prolonged contact with skin may cause irritation. Avoid contact with eyes.

Component "B" - Corrosive

Contains isocyanides. Avoid eye and skin contact.

Important Information and First Aid

Use of safety goggles and chemical resistant gloves is recommended. NIOSH/OSHA approved respirator, and adequate ventilation is recommended when in a confined air space. 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 a physician immediately. Wash clothing before re-use.

KEEP OUT OF REACH OF CHILDREN

Creative Custom Designs

Crown Polymers floors are a family of polymer systems that are used singularly or in combinations to enhance the projects appearance and environmental exposures. High performance and decorative do go together... and the results are quality, protection and improvement in the life of your floor.

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."

For the Location of Your Nearest Crown Polymers' Representative



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