

CrownPro™ 6

Product Description Sheet No. 332

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

Description

CrownPro 6 (Product No. 332) is Non-Yellowing, Two-Component UV Stable Aliphatic Polyurea Top Coat for Concrete, Polymer Floor, and Deck Coating Systems.

Recommended Use

For Pedestrian & Vehicular Traffic. Use as Clear Coat over Neat Systems, Flakes, CrownMica™, Crown Colored Quartz, Build-up Pigmented System and Areas Where Extra Abrasion Protection of Pigmented Systems is Required. Adds Decorative Appearance.

Advantages

- High Solids
- High-Gloss, Non-Blush Film
- UV Stable
- Self Leveling Formulas
- Fast Cure Rates
- Excellent Strength Properties
- Excellent Impact Resistant
- Used Neat or With Surface Broadcast for Added Skid Resistance

Packaging Sizes

5 Gal
15 Gal
150 Gal / Clear

Typical Data for CrownPro 6

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

Color	10 Standard Colors and Clear
Viscosity	600-1000 cps
Potlife	15-25 Minutes
Solids by Weight	91.1%
Solids by Volume	90.9%
V.O.C.	96.69 g/L
Application Temperature Range	5°C - 43°C (40°F - 110°F)
Tack-Free Time	6-8 hours recoat / 8-10 hours pedestrian use / 24 hours for traffic
Tensile Properties (ASTM D638)	
7 Days	
Tensile Strength	3,100 psi
Elongation at Break	> 8%
Abrasion Resistance (Taber - ASTM D4060)	
7 Day Cure, 1,000 Cycles, 1,000 g. load, Wheel No. CS-17	Loss 28 mg
Indentation (MIL-D-3134, Para 4.7.3)	
7 Day Cure	Withstands 17ft-lbs
Water Absorption (ASTM D570)	
7 Day Cure	Max 0.18%
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
Isopropyl Alcohol	No effect
Motor Oil	No effect
Transmission Fluid	No effect
Brake Fluid	No effect
Dissolve Rock Salt Hydroxide (14%)	No effect
Sulfuric Acid (25%)	No effect
Sulfuric Acid (50%)	Soften
Sodium Hydroxide	No effect

CrownPro 6

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.

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.

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 life styles.

**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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