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CrownPro™ 7072SC

Product Description Sheet No. 718

An Aliphatic Polyaspartic Polyurea Topcoat

Description

CrownPro 7072SC is an aliphatic polyaspartic, environmentally friendly surface topcoat for several systems. CrownPro 7072SC is quick curing and specifically formulated to be installed in thin film applications. It is designed for use in Southern California and is in compliance with SCAQMD air quality standards.

Recommended Use

- Concrete
- Plywood
- Cold Storage Areas
- Industrial Warehouses
- Chemical Plants
- Off-Shore Oil Platforms
- Steel
- Plastic
- Food Processing Areas
- Pulp and Paper Mills
- Fertilizer Plants
- Pipeline Barges

Advantages

- Quick Cure
- High Tensile Strength
- Abrasion Resistant
- Excellent Weatherability
- Color Stable
- High Gloss
- Very Durable
- UV Resistant For Superior Gloss Retention
- For use in SCAQMD areas
- Topcoat over aromatic polyurea, polyurethane and epoxy applications ranging from 35°F to 130°F, service temp. from 0°F to 200°F

Colors

Clear, and Polyaspartic Colors

Custom colors are also available. Minimum order of 100 gallons (378 liters). See color chart for special provisions. Contact Crown Polymers for more information.

Packaging

- 2 gallon kit (7.5 liter): One 1 gallon (3.78 liters) can Part-A and one 1 gallon (3.78 liters) can Part-B.
- 10 gallon kit: One 5 gallon (18.9 liters) pail of Part-A and one 5 gallon (18.9 liters) pail of Part-B.

10 gallon kit is not a stock item and is available with minimum order of 100 gallons (378 liters).

Mixing:

CrownPro 7072SC may not be diluted under any circumstance. Proportions are premeasured. CrownPro 7072SC Part-A and Part-B should be mixed individually before combining. Add Part-B to Part-A while mixing, using a mechanical mixer at medium speed. Mix until a homogeneous mixture and color is obtained (at least 5 minutes) and mix frequently during application to maintain uniform color. Use care to scrape the sides of the container to ensure that no unmixed material remains. Use caution not to whip air into the material as this may result in pinhole blisters and/or shortened pot life.

Do not mix in an up and down motion. Do not mix any material that cannot be used within 45 minutes.

Technical Data is based on draw down film
CrownPro 7072SC – CLEAR 100 VOC
(For Use In SCAQMD Areas)

Mix Ratio by Volume	1A : 1B
Coverage Rate	1 gal/100 sq. ft.
Dry Film Thickness per Coat (exclusive of aggregate)	14 ± 2 mils 356 ± 50 microns
Pot Life at 75°F (24°C), 50% R.H.	45-60 minutes
Hardness, ASTM D-2240	65 ± 5 Shore D
Tear Resistance, Die C, ASTM D-624	400 ± 30 pli 70.1 ± 8.8 kN/m
Tensile Strength, ASTM D-412	3500 ± 300 psi 24.1 ± 2.1 MPa
Ultimate Elongation, ASTM D-412	50 ± 10%
Specific Gravity, Side A Side B	 1.07 1.02
Total Solids by Weight, ASTM D-2369	90 ± 2%
Total Solids by Volume, ASTM D-2697	88 ± 2%
Viscosity at 75°F (24°C), Side A Side B	 200 ± 50 cps 200 ± 50 cps
Volatile Organic Compounds, ASTM D-2369-81	0.83 lb/gal 100 gm/liter

Technical Data is based on draw down film
CrownPro 7072SC – PIGMENTED 100 VOC
(For Use In SCAQMD Areas)

Mix Ratio by Volume	1A : 1B
Coverage Rate	1 gal/100 sq./ ft.
Dry Film Thickness per Coat (exclusive of aggregate)	14 ± 2 mils 356 ± 50 microns
Pot Life at 75°F (24°C), 50% R.H.	45-60 minutes
Hardness, ASTM D-2240	65 ± 5 Shore D
Tear Resistance, Die C, ASTM D-624	400 ± 50 pli 70.1 ± 8.8 kN/m
Tensile Strength, ASTM D-412	3500 ± 300 psi 24.1 ± 2.1 MPa
Ultimate Elongation, ASTM D-412	50 ± 20%
Specific Gravity, Side A Side B	 1.07 1.27
Total Solids by Weight, ASTM D-2369	91 ± 2%
Total Solids by Volume, ASTM D-2697	89 ± 2%
Viscosity at 75°F (24°C), Side A Side B	 200 ± 50 cps 1400 ± 200 cps
Volatile Organic Compounds, ASTM D-2369-81	0.83 lb/gal 100 gm/liter

Application

CrownPro 7072SC can be applied by phenolic resin core roller, rubber squeegee and back-rolled, or through a cup gun under low pressure. CrownPro 7072SC should be applied at a minimum film thickness of 5 mils. It should be noted that the heavier the application, the longer the curing process takes.

Apply CrownPro 7072SC evenly over the entire deck. A phenolic resin core roller may be used, but extra care should be taken not to cause air bubbles.

Curing

At 75°F (24°C) and 50% relative humidity, allow each coat to cure 2-4 hours.

Allow 6 hours before permitting light pedestrian traffic and at least 24-48 hours before permitting heavy pedestrian traffic on to the finished surface.

Uncured CrownPro 7072SC is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time.

Equipment Cleanup

Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use

Storage

CrownPro 7072SC has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

Limitations

The following conditions must not be coated with Crown Polymers **deck coatings or systems:** split slabs, buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, magnesite, and lightweight concrete. On grade slabs may receive Crown Polymers system coatings provided a moisture-vapor transmission test is first performed. Please contact Crown Polymers technical department with the results.

With regard to coating asphalt surfaces, please contact Crown Polymers technical department.

Surfaces must be dry, clean and free of foreign matter. Clear coating may turn opaque and cloudy due to moisture penetration, especially in exterior applications. Surface may be slippery when wet. Containers that have been opened must be used as soon as possible. Do not dilute under any circumstance.

Warning

This product contains Isocyanates and Solvent.

FOR INDUSTRIAL USE ONLY

KEEP OUT OF REACH OF CHILDREN

KEEP CONTAINERS TIGHTLY CLOSED

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