

# CrownPro 7072SC

## Product Description Sheet No. 718

### An Aliphatic Polyaspartic Polyurea Waterproofing Membrane Topcoat

#### Description

CrownPro 7072SC is an aliphatic polyaspartic, environmentally friendly surface topcoat for waterproofing membrane 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
- Seamless Waterproofing Membrane
- 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
- Color Stable
- High Gloss
- Very Durable

#### Colors

Clear, Tan and Dolphin Grey

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	1.07
Side B	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	200 ± 50 cps
Side B	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	1.07
Side B	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	200 ± 50 cps
Side B	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, high pressure spray, 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. For best results, use an airless sprayer. 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**

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."