



Product Description

Polycoat-Staingard 7072SC is an aliphatic, polyaspartic, environmentally-friendly surface topcoat for waterproofing membrane systems. Polycoat-Staingard 7072SC is quick curing and specifically formulated to be installed in thin film applications. Polycoat Products manufactures products in different VOC's ranging from 100 to 340 gms/liter to comply with VOC requirement in various regions. Make sure to use the correct grade of product which complies with VOC regulations/requirements applicable as per federal, state, statutory, counties, cities and local bodies at the place of installation.

FEATURES

- » Quick Cure
- » Color Stable
- » High Tensile Strength
- » High Gloss
- » Abrasion Resistant
- » Very Durable
- » Excellent Weatherability
- » Seamless Waterproofing Membrane
- » UV Resistant For Superior Gloss Retention

TYPICAL USES

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

PACKAGING

2-gallon kit 1 gallon (3.78 liters) can Side-A and 1 gallon (3.78 liters) can Side-B

10-gallon kit One 5 gallon (18.9 liters) pail of Side-A and One 5 gallon (18.9 liters) pail of Side-B
10-gallon (37.85 liters) kit is not a stock item and is available with minimum order of 100 gallons (378 liters)

Color

Clear, Tan and Dolphin Grey.

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

TECHNICAL DATA (BASED ON DRAW DOWN FILM)

	Staingard 7072SC Clear	Staingard 7072SC Pigmented
Mix Ratio by Volume	1A : 1B	1A : 1B
Coverage Rate	1 gal/100 sqft (0.41 l/sqm)	1 gal/100 sqft (0.41 l/sqm)
Dry Film Thickness per Coat	14 ± 2 mils 356 ± 50µ	14 ± 2 mils 356 ± 50µ
Pot Life @ 75°F (24°C), 50% R.H.	25-30 minutes	45-60 minutes
Hardness, ASTM -2240	65 ± 5 Shore A	65 ± 5 Shore A
Tear Resistance, ASTM D-624	400 ± 50 pli 70.1 ± 8.8 kN/m	400 ± 20 pli 70.1 ± 8.8 kN/m
Tensile Strength, ASTM D-412	3500 ± 300 psi 24.1 ± 2.1 MPa	3500 ± 300 psi 24.1 ± 2.1 MPa
Ultimate Elongation, ASTM 412	50 ± 10%	50 ± 20%
Specific Gravity, Side A Side B	1.07 ± 0.1 1.02 ± 0.1	1.07 ± 0.1 1.27 ± 0.1
Total Solids by Weight, ASTM D-2669	90 ± 2%	91 ± 2%
Total Solids by Volume, ASTM D-2697	88 ± 2%	89 ± 2%
Viscosity at 75°F (24°C), Side A Side B	200 ± 50 cps 200 ± 50 cps	200 ± 50 cps 1400 ± 200 cps
Volatile Organic Compounds, ASTM D-2369-81	0.83 lb/gal 100 gm/liters	0.83 lb/gal 100 gm/liters


Coverage

The approximate coverage is 1 gallon/100 sqft (0.41 l/sqm). Coverage rate will depend on surface roughness and porosity.

Surface Preparation

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Refer to product General Guidelines for detailed surface



preparation information.

Minimum recommended surface preparation:

METAL:

SSPC-SP6/NACE 3, 2 mils (50 microns) profile

CONCRETE & MASONRY:

SSPC-SP13/NACE 6 or ICRI No. 310.2 CSP 3-5. Primer required.

Mixing

Polycoat-Staingard 7072SC may not be diluted under any circumstance. Polycoat-Staingard 7072SC Side-A and Side-B should be mixed individually before combining. Add Side-B to Side-A while mixing, using a mechanical mixer at medium speed. Mix until a homogeneous mixture and color is attained (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.

Application

Polycoat-Staingard 7072SC can be applied by phenolic resin core roller, high pressure spray, or through a cup gun under low pressure. Polycoat-Staingard 7072SC should be applied at a minimum film thickness of 5 mils (127 microns). It should be noted that the heavier the application, the longer the curing process takes.

Apply Polycoat-Staingard 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 Polycoat-Staingard 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. If more than 12 hours have passed after applying clear coat of Polyaspartic, then re-prime surface with Polyprime U and apply Polycoat Staingard pigmented coat. If clear coat is required, then clear coat should be applied only after pigmented coat. If clear coat is applied after primer, the primer will become yellowish with exposure to light and surface will look not aesthetically pleasing.

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

Cleanup

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

Storage

Polycoat-Staingard 7072SC has a shelf life of 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 Polycoat deck coatings or systems: split slabs, buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, magnesite, and non-structural lightweight concrete. On grade slabs may receive Polycoat system coatings provided a moisture-vapor transmission test is first performed. Please contact Polycoats' technical department with the results.

With regard to coating asphalt surfaces, please contact Polycoats' 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.

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