

### Product Description

Polycoat-Staingard 9072SC is an aliphatic polyaspartic, environmentally friendly, highly chemical resistant surface topcoat for waterproofing membrane systems. Polycoat-Staingard 9072SC 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 right 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
- » High Tensile Strength
- » Superior Chemical Resistance
- » High Gloss
- » Very Durable
- » Abrasion Resistant
- » Skydrol Resistance
- » Excellent Weatherability
- » Seamless Waterproofing Membrane
- » UV Resistant For Superior Gloss Retention
- » Topcoat Over Aromatic Polyurea, Polyurethane & Epoxy Applications

### 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
- » Industrial Warehouses

### PACKAGING

- 2-gallon kit**      One 1 gallon (3.78 liters) can Side-A and One 1 gallon (3.78 liters) can Side-B
- 10-gallon kit**      One 5 gallon (18.9 liter) pail of Side-A and One 5 gallon (18.9 liter) pail of Side-B  
10-gallon kit is not a stock item and is available with minimum order of 100 gallons (378 liters)

### TECHNICAL DATA (BASED ON DRAW DOWN FILM)

**Mix Ratio by Volume** 1A : 1B

**Coverage Rate** 1 gal/100 sqft (0.41 l/sqm)

**Dry Film Thickness per Coat** 14 ± 2 mils  
356 ± 50µ

**Pot Life @ 75°F (24°C), 50% R.H.** 45-60 minutes

**Hardness, ASTM -2240** 70 ± 5 Shore A

**Tear Resistance, 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 412** 50 ± 10%

**Specific Gravity, Side A** 1.07 ± 0.1  
**Side B** 1.02 ± 0.1

**Total Solids by Weight, ASTM D-2669** 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/liters

### Color

Clear

### Coverage

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

## Chemical and Stain Resistance (ASTM D-1308)

CHEMICAL (25°C)	1 HOUR	24 HOURS
Xylene	No Effect	No Effect
Toluene	No Effect	No Effect
Isopropyl Alcohol	No Effect	No Effect
Methyl Ethyl	Film Softend	Film Blistered
Ketone	No Effect	No Effect
Motor Oil	No Effect	No Effect
Biodiesel	No Effect	No Effect
Brake Fluid	No Effect	No Effect
Gasoline (Unleaded)	No Effect	No Effect
Transmission Fluid	No Effect	No Effect
Skydrol B-4	No Effect	No Effect
Hydrochloric Acid 10%	No Effect	No Effect
Hydrochloric Acid 5%	No Effect	No Effect
Acetic Acid 10%	No Effect	No Effect
Phosphoric Acid 10%	No Effect	No Effect
Nitric Acid 25%	Film Softend	Film Blistered
Sulphuric Acid 60%	No Effect	No Effect
Sulphuric Acid 10%	No Effect	No Effect
Sulphuric Acid 5%	No Effect	No Effect
Potassium Hydroxide 10%	No Effect	No Effect
Potassium Hydroxide 20%	No Effect	No Effect
Sodium Hydroxide 10%	No Effect	No Effect
Sodium Hydroxide 20%	No Effect	No Effect
Urine	No Effect	No Effect
Blood	No Effect	No Effect
Whiskey	No Effect	No Effect
Red Wine	No Effect	No Effect
Mineral Spirits	No Effect	No Effect



### 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 9072SC may not be diluted under any circumstance. Polycoat-Staingard 9072SC 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 9072SC can be applied by phenolic resin core roller, high pressure spray, or through a cup gun under low pressure. Polycoat-Staingard 9072SC 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 Polycoat-Staingard 9072SC 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 9072SC 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 not look 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 9072SC 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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