**Product Description**
Polycoat Staingard™ 8072SC is an aliphatic polyaspartic, environmentally-friendly surface topcoat for waterproofing membrane systems. Polycoat Staingard™ 8072SC 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 requirements/requirements applicable as per federal, state, statutory, counties, cities and local bodies at the place of installation.

**Features**
- Color Stable
- Excellent Weatherability
- High Gloss
- High Tensile Strength
- Quick Cure
- Seamless Waterproofing Membrane
- UV Resistant for Superior Gloss Retention
- Very Durable

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

**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)**
- **Staingard™ 8072SC**
  - **Mix Ratio by Volume**
    - 1A : 1B
  - **Coverage Rate**
    - 1 gal/100 sqft
    - (0.41 l/sq.m)
  - **Dry Film Thickness per Coat**
    - 14 ± 2 mils
    - 356 ± 50 microns
  - **Pot Life @ 75°F (24°C), 50% R.H.**
    - 40-45 minutes
  - **Hardness, ASTM D2240**
    - 65 ± 5 Shore D
  - **Tear Resistance, ASTM D624**
    - 400 ± 20 ppi
    - 70.1 ± 8.8 kN/m
  - **Tensile Strength, ASTM D412**
    - 3500 ± 300 psi
    - 24.1 ± 2.1 MPa
  - **Ultimate Elongation, ASTM D412**
    - 50 ± 10%
  - **Specific Gravity, Side A**
    - 1.07 ± 0.1
  - **Specific Gravity, Side B**
    - 1.02 ± 0.1
  - **Total Solids by Weight, ASTM D2669**
    - 90 ± 2%
  - **Total Solids by Volume, ASTM D2667**
    - 88 ± 2%
  - **Viscosity at 75°F (24°C),**
    - **Side A**
      - 200 ± 50 cps
    - **Side B**
      - 200 ± 50 cps
  - **Volatile Organic Compounds, ASTM D2369-81**
    - 0.83 lb/gal
    - 100 gm/liters

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™ 8072SC may not be diluted under any circumstance. Polycoat Staingard™ 8072SC 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 no 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 with 45 minutes.

Application
Polycoat Staingard™ 8072SC can be applied by phenolic resin core roller, high pressure spray, or through a cup gun under low pressure. Polycoat Staingard™ 8072SC 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™ 8072SC 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™ 8072SC 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 Polyspartic, 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 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.

Limited Warranty: Please read all information in the General Guidelines, Technical Data Sheets, Guide Specifications and Safety Data Sheets (SDS) before applying material. These products are for professional use only and preferably applied by professionals who have prior experience with the Polycoat Products materials or have undergone training in application of Polycoat Products materials. Published technical data and instructions are subject to change without notice. Contact your local Polycoat Products representative or visit our website for current technical data, instructions, and project specific recommendations.

Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products current published physical properties. Seller’s and manufacturer’s sole responsibility shall be to replace portion of the product which proves to be defective. There are no other warranties by Polycoat Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products 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. Polycoat Products shall not be responsible for use of this product in a manner infringing on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, fading, chalking, staining, shrinkage, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

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