**Product Description**
Polycoat Staingard™ 7072 is an aliphatic, polyaspartic, environmentally-friendly surface topcoat for waterproofing membrane systems. Polycoat Staingard™ 7072 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 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**
- Abrasion Resistant
- 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
- Plywood
- Cold Storage Areas
- Chemical Plants
- Fertilizer Plants
- 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.

**Coverage**
The approximate coverage is 1 gallon/100 sqft (0.41 l/sqm).

**Technical Data (Based on Draw Down Film)**

<table>
<thead>
<tr>
<th></th>
<th>Staingard™ 7072 Clear</th>
<th>Staingard™ 7072 Pigmented</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mix Ratio by Volume</strong></td>
<td>1A : 1B</td>
<td>1A : 1B</td>
</tr>
<tr>
<td><strong>Coverage Rate</strong></td>
<td>1 gal/100 sqft (0.41 l/sqm)</td>
<td>1 gal/100 sqft (0.41 l/sqm)</td>
</tr>
<tr>
<td><strong>Dry Film Thickness per Coat</strong></td>
<td>12 ± 2 mils 305 ± 50 microns</td>
<td>12 ± 2 mils 305 ± 50 microns</td>
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<tr>
<td><strong>Pot Life @ 75°F (24°C), 50% R.H.</strong></td>
<td>25-30 minutes</td>
<td>45-60 minutes</td>
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<tr>
<td><strong>Hardness, ASTM D2240</strong></td>
<td>65 ± 5 Shore D</td>
<td>65 ± 5 Shore D</td>
</tr>
<tr>
<td><strong>Tear Resistance, ASTM D624</strong></td>
<td>400 ± 50 pli 70.1 ± 8.8 kN/m</td>
<td>400 ± 20 pli 70.1 ± 8.8 kN/m</td>
</tr>
<tr>
<td><strong>Tensile Strength, ASTM D412</strong></td>
<td>3500 ± 300 psi 24.1 ± 2.1 MPa</td>
<td>3500 ± 300 psi 24.1 ± 2.1 MPa</td>
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<tr>
<td><strong>Ultimate Elongation, ASTM 412</strong></td>
<td>70 ± 20%</td>
<td>50 ± 20%</td>
</tr>
<tr>
<td><strong>Specific Gravity, Side A</strong></td>
<td>1.04 ± 0.1</td>
<td>1.04 ± 0.1</td>
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<tr>
<td><strong>Side B</strong></td>
<td>1.02 ± 0.1</td>
<td>1.20 ± 0.1</td>
</tr>
<tr>
<td><strong>Total Solids by Weight, ASTM D2669</strong></td>
<td>76 ± 2%</td>
<td>79 ± 2%</td>
</tr>
<tr>
<td><strong>Total Solids by Volume, ASTM D2697</strong></td>
<td>72 ± 2%</td>
<td>73 ± 2%</td>
</tr>
<tr>
<td><strong>Viscosity at 75°F (24°C), Side A</strong></td>
<td>100 ± 50 cps 1000 ± 200 cps</td>
<td>100 ± 50 cps 1000 ± 200 cps</td>
</tr>
<tr>
<td><strong>Side B</strong></td>
<td>100 ± 50 cps</td>
<td>1000 ± 200 cps</td>
</tr>
<tr>
<td><strong>Volatile Organic Compounds, ASTM D2369-81</strong></td>
<td>&lt;2.08 lb/gal 250 gm/liters</td>
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</tr>
</tbody>
</table>

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**
Polycot Staingard™ 7072 may not be diluted under any circumstance. Polycot Staingard™ 7072 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**
Polycot Staingard™ can be applied by phenolic resin core roller, high pressure spray, or through a cup gun under low pressure. Polycot Staingard™ 7072 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 Polycot Staingard™ 7072 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 Polycot Staingard™ 7072 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 Polysapartic, then re-prime the surface with Polyprime® U and apply Polycot 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.

**Storage**
Polycot Staingard™ 7072 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 Polycot 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 Polycot system coatings provided a moisture-vapor transmission test is first performed. Please contact Polycot's technical department with the results.

With regard to coating asphalt surfaces, please contact Polycot’s 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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**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 Polycot Products materials or have undergone training in application of Polycot Products materials. Published technical data and instructions are subject to change without notice. Contact your local Polycot Products representative or visit our website for current technical data, instructions, and project specific recommendations.

Polycot Products warrants its products to be free of manufacturing defects and that they will meet Polycot Products’ current published physical properties. Seller’s and manufacturer’s sole responsibility shall be to replace that portion of the product which proves to be defective. There are no other warranties by Polycot Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycot 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. Polycot Products shall not be responsible for use of this product in a manner to infringe 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. Polycot 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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