



POLYCOAT PRODUCTS

A Division of American Polymers Corp.

POLYCOAT-STAINGARD 6072 / 6072SC

*Aliphatic Polyaspartic
Polyurea Topcoat
Technical Data Sheet*

DESCRIPTION

Polycoat-Staingard 6072 is a 72% solids by volume, aliphatic polyaspartic coating, two-component, liquid applied, environmentally friendly surface topcoat for waterproofing membrane systems. Polycoat-Staingard 6072 is quick curing and specifically formulated to be installed in thin film applications. Polycoat-Staingard 6072SC is designed for use in Southern California to be in compliance with air quality standards.

FEATURES

- ❖ Quick Cure
- ❖ High Tensile Strength
- ❖ Abrasion Resistant
- ❖ Topcoat over aromatic polyurea, polyurethane and epoxy applications ranging from 35°F to 130°F, service temperature 0°F to 200°F
- ❖ Excellent Weatherability
- ❖ Seamless Waterproofing Membrane
- ❖ UV Resistant For Superior Gloss Retention
- ❖ For use in SCAQMD areas, use only Polycoat-Staingard 6072SC
- ❖ For use in California, excluding SCAQMD areas, use only Polycoat-Staingard 6072

TYPICAL USES

- ❖ 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

COLOR

Clear, Grey and Tan. Custom colors are also available.

Minimum order of 100 gallons (379 liters). See color chart for special provisions. Contact Polycoat Products for more information.

PACKAGING

2 gallon kit (7.57 liter): One 1 gallon (3.79 liters) can part-A and One 1 gallon (3.79 liters) can Part-B.

10 gallon kit is not an in-stock item and is available with advanced notice. Contact Polycoat Products for availability.

MIXING

Polycoat-Staingard 6072 may not be diluted under any circumstance. Polycoat-Staingard 6072 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

TECHNICAL DATA, POLYCOAT-STAINGARD 6072, CLEAR (250 VOC) (For Use In California Excluding SCAQMD Areas)

Coverage Rate	See Guide Specification
Dry Film Thickness, exclusive of aggregate @ 1 gal/100 sq. ft.	11 ± 2 mils 279 ± 50microns
Pot Life at 75°F (24°C), 50% RH	45-60 minutes
Hardness, ASTM D-2240	50 ± 5 Shore D
Tear Resistance, Die C, ASTM D-624	300 ± 50 pli 52.5 ± 9 kN/m
Tensile Strength, ASTM D-412	2500 ± 200 psi 17.2 ± 2 MPa
Ultimate Elongation, ASTM D-412	100 ± 25 %
Specific Gravity,	
Side-A	1.05
Side-B	1.01
Total Solids by Weight, ASTM D-2369	77 ± 2%
Total Solids by Volume, ASTM D-2697	72 ± 2%
Viscosity at 75°F (24°C),	
Side-A	200 ± 50 cps
Side-B	200 ± 50 cps
Volatile Organic Compounds, ASTM D-2369-81	1.97 lb/gal 236 gm/liter

TECHNICAL DATA, POLYCOAT-STAINGARD 6072SC, CLEAR (100 VOC) (For Use In SCAQMD Areas)

Coverage Rate	See Guide Specification
Dry Film Thickness, exclusive of aggregate @ 1 gal/100 sq. ft.	11 ± 2 mils 279 ± 50microns
Pot Life at 75°F (24°C), 50% RH	45-60 minutes
Hardness, ASTM D-2240	50 ± 5 Shore D
Tear Resistance, Die C, ASTM D-624	300 ± 50 pli 52.5 ± 9 kN/m
Tensile Strength, ASTM D-412	2500 ± 200 psi 17.2 ± 2 MPa
Ultimate Elongation, ASTM D-412	100 ± 25 %
Specific Gravity,	
Side-A	1.12
Side-B	1.08
Total Solids by Weight, ASTM D-2369	77 ± 2%
Total Solids by Volume, ASTM D-2697	78 ± 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

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 any material that cannot be used within 45 minutes.

APPLICATION

Polycoat-Staingard 6072 can be applied by phenolic resin core roller, high pressure spray, or through a cup gun under

low pressure. Polycoat-Staingard 6072 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 6072 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 70°F (21°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 6072 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

Polycoat-Staingard 6072 has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers.

LIMITATIONS

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.

TECHNICAL DATA, POLYCOAT-STAINGARD 6072, PIGMENTED (250 VOC) (For Use In California Excluding SCAQMD Areas)	
Coverage Rate	See Guide Specification
Dry Film Thickness, exclusive of aggregate, Per coat @ 1 gal/100 sq. ft.	11 ± 2 mils 279 ± 50microns
Pot Life at 75°F (24°C), 50% RH	45-60 minutes
Hardness, ASTM D-2240	50 ± 5 Shore D
Tear Resistance, Die C, ASTM D-624	225 ± 35 pli 39.4 ± 6 kN/m
Tensile Strength, ASTM D-412	2300 ± 300 psi 15.8 ± 2 MPa
Ultimate Elongation, ASTM D-412	100 ± 25 %
Specific Gravity,	
Side-A	1.04
Side-B	1.25
Total Solids by Weight, ASTM D-2369	79 ± 2%
Total Solids by Volume, ASTM D-2697	72 ± 2%
Viscosity at 75°F (24°C),	
Side-A	200 ± 50 cps
Side-B	300 ± 50 cps
Volatile Organic Compounds, ASTM D-2369-81	1.97 lb/gal 236 gm/liter

TECHNICAL DATA, POLYCOAT-STAINGARD 6072SC, PIGMENTED (100 VOC) (For Use In SCAQMD Areas)	
Coverage Rate	See Guide Specification
Dry Film Thickness, exclusive of aggregate, Per coat @ 1 gal/100 sq. ft.	11 ± 2 mils 279 ± 50microns
Pot Life at 75°F (24°C), 50% RH	45-60 minutes
Hardness, ASTM D-2240	50 ± 5 Shore D
Tear Resistance, Die C, ASTM D-624	225 ± 35 pli 39.4 ± 6 kN/m
Tensile Strength, ASTM D-412	2300 ± 300 psi 15.8 ± 2 MPa
Ultimate Elongation, ASTM D-412	100 ± 25 %
Specific Gravity,	
Side-A	1.10
Side-B	1.32
Total Solids by Weight, ASTM D-2369	81 ± 2%
Total Solids by Volume, ASTM D-2697	80 ± 2%
Viscosity at 75°F (24°C),	
Side-A	200 ± 50 cps
Side-B	300 ± 50 cps
Volatile Organic Compounds, ASTM D-2369-81	0.79 lb/gal 95 gm/liter

Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. 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 and instructions.

LIMITED WARRANTY

Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products current published physical properties. Polycoat Products warrants that its products, when properly installed by a state licensed waterproofer contractor according to Polycoat Products guide specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of one (1) year. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer 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 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, such as 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, applicator.

DISCLAIMER

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the users responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Polycoat Products makes no claim that these tests or any other tests, accurately represent all environments.