

**UL SG7183 & SG7183SC**  
*Aliphatic Polyaspartic  
Polyurea Topcoat  
Technical Data Sheet*

**DESCRIPTION**

**UL SG 7183** is a 72% solids by volume, aliphatic polyaspartic coating, two-component, liquid applied, environmentally friendly surface topcoat for waterproofing membrane systems, with a citrus odor.

**UL SG 7183** is quick curing and specifically formulated to be installed in thin film applications.

**UL SG 7183SC** is designed for use in Southern California to be in compliance with air quality standards.

**FEATURES**

Quick Cure / Color Stable / High Tensile Strength / High Gloss / Abrasion Resistant / Very Durable / 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 UL SG 7183SC /For use in California, excluding SCAQMD areas, use only UL SG 7183

**TYPICAL USES**

Concrete / Steel / Plywood / Plastic / Cold Storage Areas / Food Processing Areas / Industrial Warehouses Pulp and Paper Mills / Chemical Plants / Fertilizer Plants / Off-Shore Oil Platforms / 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 UL Products for more information.

**PACKAGING**

2 gallon kit: 1 gallon can part-A and 1 gallon can Part-B. 10 gallon kit is not an in-stock item and is available with advanced notice. Contact UL Products for availability.

**MIXING**

**UL SG 7183** may not be diluted under any circumstance. **UL SG 7183** 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 container to ensure that no unmixed material remains. Use

**APPLICATION**

Apply **UL SG 7183** evenly over the entire deck. For best results, use an airless sprayer. A squeegee or phenolic resin core roller may be used, but extra care should be taken not to cause air bubbles.

**UL SG 7183** 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.

**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 **UL SG 7183** 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**

**UL SG 7183** 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, UL SG7183, CLEAR (250 VOC) (For Use In California Excluding SCAQMD Areas)

Mix Ratio by Volume .....	1A : 1B
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, UL SG7183SC, CLEAR (100 VOC) (For Use In SCAQMD Areas)

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

**TECHNICAL DATA, UL SG7183, PIGMENTED  
(250 VOC) (For Use In California Excluding SCAQMD Areas)**

Mix Ratio by Volume .....	1A : 1B
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. UL SG7183SC, PIGMENTED  
(100 VOC) (For Use In SCAQMD Areas)**

Mix Ratio by Volume .....	1A : 1B
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 Ultimate Linings Products representative or visit our website for recently updated instructions and data.

**Limited Warranty**

Ultimate Linings Products warrants its products to be free from manufacturing defects and that they will meet Ultimate Linings Products current published physical properties. Ultimate Linings Products warrants that its products, when properly installed by a state licensed waterproofing contractor according to Ultimate Linings 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. Sellers and manufacturers 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 Ultimate Linings Products of any nature whatsoever expressed or implied, including any warranty of merchantability of fitness for particular purpose in connection with this product. Ultimate Linings 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. Ultimate Linings Products shall not be responsible for use of this product in a manner of 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. Ultimate Linings 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.

**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 user's responsibility to satisfy himself, by his product for his own intended use, application and job situation on the user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazards 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 establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Ultimate Linings Products makes no claim that these tests or any other tests accurately represent all environments.