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**TOPSHIELD® ALP-150**  
*Aliphatic Urethane Topcoat*

**DESCRIPTION**

Topshield® ALP-150 is an economical, aliphatic, single component, liquid applied, moisture cured, urethane surface protection coating.

**FEATURES**

- ❖ UV Stable
- ❖ Excellent Weatherability
- ❖ Good Color Retention
- ❖ For use in SCAQMD areas, use only Topshield® ALP-150(SC)

**TYPICAL USES**

- ❖ Pedestrian Traffic
- ❖ Concrete or Plywood Decks
- ❖ Resealing Existing Urethane Surfaces
- ❖ Most Metal, Wood, or Masonry Surfaces

**COLORS**

**Contact PSI for availability.**

Light Grey, Medium Grey, Dark Grey, Tan, Dark Tan, Chocolate

Custom colors are also available. Minimum order required. Please contact PSI for details. See color chart for special provisions.

**PACKAGING**

1 gallon (3.78 liter) can  
 5 gallon (19 liter) pail  
 55 gallon drum, net fill 50 gallons (189 liters)

**MIXING**

Before application, mix Topshield® ALP-150 using a mechanical mixer (Jiffy Mixer) at slow speeds or by hand for at least 5 minutes. Mix Topshield® ALP-150 thoroughly until a homogenous mixture and color is obtained.

**APPLICATION**

The first coat of Topshield® ALP-150 should be applied at the rate of 0.41 liters/square meter (1 gallon/100 square feet). For best results, airless sprayer or phenolic core roller may be

**TECHNICAL DATA: TOPSHIELD® ALP-150, Pigmented (For Use Outside of SCAQMD Areas)**

Coverage Rate .....	1 gal/100 sq.ft. 0.41 l/m <sup>2</sup>
Dry Film Thickness, exclusive as aggregate	
Per coat @ 1 gal/100 sq. ft .....	12 ± 2 mils
	305 ± 50 micron
Hardness, ASTM D-2240 .....	90 ± 5 Shore A
Tear Resistance, Die C, ASTM D-624 .....	400 ± 50 pli
	70 ± 8.7 kNm
Tensile Strength, ASTM D-412 .....	4200 ± 300 psi
	29 ± 2 MPa
Ultimate Elongation, ASTM D-412 .....	230 ± 50%
Specific Gravity .....	1.16
Total Solids by Weight, ASTM D-2369 .....	80 ± 2%
Total Solids by Volume, ASTM D-2697 .....	74 ± 2%
Viscosity at 24°C (75°F) .....	2500 ± 700 cps
Volatile Organic Compounds, ASTM D-2369-81 .....	1.875 lb/gal 225 gm/liter

**TECHNICAL DATA: TOPSHIELD® ALP-150(SC), Pigmented (For Use in SCAQMD Areas)**

Coverage Rate .....	1 gals/100sq.ft. 0.41 l/m <sup>2</sup>
Dry Film Thickness, exclusive as aggregate	
Per coat @ 1 gal/100 sq. ft .....	12 ± 2 mils
	305 ± 50micron
Hardness, ASTM D-2240 .....	90 ± 5 Shore A
Tear Resistance, Die C, ASTM D-624 .....	400 ± 50 pli
	70 ± 8.7 kNm
Tensile Strength, ASTM D-412 .....	4000 ± 300 psi
	27.6 ± 2 MPa
Ultimate Elongation, ASTM D-412 .....	250 ± 50%
Specific Gravity .....	1.20
Total Solids by Weight, ASTM D-2369 .....	85 ± 2%
Total Solids by Volume, ASTM D-2697 .....	83 ± 2%
Viscosity at 24°C (75°F) .....	3500 ± 700 cps
Volatile Organic Compounds, ASTM D-2369-81 .....	0.825 lb/gal 99 gm/liter

used, but extra care should be taken not to cause air bubbles. Apply Topshield® ALP-150 evenly over the entire deck resulting in 11±2 dry mils (278±50 microns). After 24 hours, proceed to the second coat.

Topshield® ALP-150 may require more than one coat depending on the job specifications and requirements. When estimating material requirements, coverage rates tend to increase for subsequent coats of material. To obtain proper adhesion between coats it is imperative that re-coating be done within 48 hours.

**CURING**

At 70°F (21°C) and 50% relative humidity, allow each coat to cure a minimum of 16 hours between each coat. If more than 48 hours passes between coats, re-prime the surface with PSI Primer before proceeding.

Allow 24 hours before permitting light pedestrian traffic and at least 72 hours before permitting heavy pedestrian or vehicular traffic on to the finished surface.

Uncured Topshield® ALP-150 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. To accelerate cure, topcoat Accelerator may be used.

#### **EQUIPMENT CLEANUP**

Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

#### **STORAGE**

Topshield® ALP-150 has a shelf life of twelve (12) months from date of manufacture in original, factory sealed containers.

#### **LIMITATIONS**

Surfaces must be dry, clean and free of foreign matter. Surface may be slippery when wet.

Topshield® ALP-150 may become flat and stained over time.

Topshield® ALP-150 has limited chemical resistance properties.

Containers that have been opened must be used as soon as possible.

Do not dilute under any circumstance.

Refer to general guidelines for more information.

#### **WARNING**

**This product contains Isocyanates and Solvent.**

Topshield® ALP-150 and Topshield® ALP-150(SC) are considered Dangerous Goods. DOT regulations classify it as: **UN 1263, PAINT, Class 3, PG III, FLAMMABLE LIQUID.**

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**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 PSI representative or visit our website for current technical data and instructions.**

#### **LIMITED WARRANTY**

PSI warrants its products to be free of manufacturing defects and that they will meet PSI current published physical properties. PSI warrants that its products, when properly installed by a state licensed waterproofing contractor according to PSI guide specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of 12 months. Seller's sole responsibility shall be to replace that portion of the product which proves to be defective. There are no other warranties by PSI of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. PSI 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. PSI 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. PSI 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 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 PSI makes no claim that these tests or any other tests, accurately represent all environments.