



TURBO-LINER 6000

Aliphatic Polyaspartic Polyurea Topcoat

DESCRIPTION

Turbo-Liner 6000 is a 100% solids by volume, aliphatic polyaspartic coating, two-component, liquid applied, environmentally friendly surface topcoat for waterproofing membrane systems. Turbo-Liner 6000 is quick curing and specifically formulated to be installed in thin film applications.

FEATURES

- ❖ Quick Cure
- ❖ Very Durable
- ❖ Seamless Waterproofing Membrane
- ❖ Meets California VOC and AQMD Requirements, Including SCAQMD Areas
- ❖ Topcoat over aromatic polyurea, polyurethane and epoxy applications ranging from 35°F to 130°F, service temperature 0°F to 200°F
- ❖ Color Stable
- ❖ Abrasion Resistant
- ❖ High Tensile Strength
- ❖ Excellent Weatherability
- ❖ UV Resistant For Superior Gloss Retention

TYPICAL USES

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

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 Turbo Products for more information.

PACKAGING

2 gallon kit (7.57 liter): 1 gallon (3.78 liters) can part-A and 1 gallon (3.78 liters) can Part-B.

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

MIXING

Turbo-Liner 6000 may not be diluted under any circumstance. Proportions are premeasured. Turbo-Liner 6000 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 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 20-30 minutes.

TECHNICAL DATA (Based on draw down film)	
TURBO-LINER 6000, CLEAR	
Mix Ratio by Volume	1A : 1B
Coverage Rate	See Guide Specification
Dry Film Thickness, exclusive of aggregate,	
Per coat at ½ gal/100 sq. ft.	16 ± 2 mils
	406 ± 50 microns
Pot Life at 75°F (24°C), 50% R.H.	20-30 minutes
Hardness, ASTM D-2240	65 ± 2 Shore D
Tear Resistance, Die C, ASTM D-624	400 ± 50 pli
	70.1 ± 8.8 kN/m
Tensile Strength, ASTM D-412	3000 ± 200 psi
	20.7 ± 1.4 MPa
Ultimate Elongation, ASTM D-412	70 ± 10%
Specific Gravity,	
Side-A	1.10
Side-B	1.05
Total Solids by Weight, ASTM D-2369	100%
Total Solids by Volume, ASTM D-2697	100%
Viscosity at 75°F (24°C),	
Side-A	2600 ± 300cps
Side-B	1100 ± 300cps
Volatile Organic Compounds,	
ASTM D-2369-81	0 lb/gal
	0 gm/liter

TECHNICAL DATA (Based on draw down film)	
TURBO-LINER 6000, PIGMENTED	
Mix Ratio by Volume	1A : 1B
Coverage Rate	See Guide Specification
Dry Film Thickness, exclusive of aggregate,	
Per coat at ½ gal/100 sq. ft.	16 ± 2 mils
	406 ± 50 microns
Pot Life at 75°F (24°C), 50% R.H.	20-30 minutes
Hardness, ASTM D-2240	65 ± 2 Shore D
Tear Resistance, Die C, ASTM D-624	375 ± 50 pli
	65.7 ± 8.8 kN/m
Tensile Strength, ASTM D-412	2600 ± 200 psi
	17.9 ± 1.4 MPa
Ultimate Elongation, ASTM D-412	30 ± 10%
Specific Gravity,	
Side-A	1.10
Side-B	1.24
Total Solids by Weight, ASTM D-2369	100%
Total Solids by Volume, ASTM D-2697	100%
Viscosity at 75°F (24°C),	
Side-A	2600 ± 300cps
Side-B	2000 ± 300cps
Volatile Organic Compounds,	
ASTM D-2369-81	0 lb/gal
	0 gm/liter



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APPLICATION

Turbo-Liner 6000 can be applied by phenolic resin core roller, high pressure spray, or through a cup gun under low pressure. Turbo-Liner 6000 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 Turbo-Liner 6000 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 3-4 hours. Cure time will vary depending on temperature and humidity.

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 Turbo-Liner 6000 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

Turbo-Liner 6000 has a shelf life of one (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

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.

The following conditions must not be coated with Turbo Products deck coating systems or products: on grade or below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

WARNING

This product contains Isocyanates.

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 Turbo Products representative or visit our website for current technical data and instructions.

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 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 Turbo Products makes no claim that these tests or any other tests, accurately represent all environments.