



**TURBO LINER  
PRODUCTS INC.  
1 W. CAMERON  
KELLOGG, ID 83837  
877-678-8726**

**TURBO LINER POLYFINISH 1110**  
*Aliphatic Polyester  
Polyurethane Topcoat*

**DESCRIPTION**

Polyfinish 1110 is a two component, aliphatic polyester polyurethane finish coat for use in moderate to severe chemical environments in indoor or outdoor applications. It is a component of the Polyfloor CR system.

**FEATURES**

- ❖ Color and Gloss Retention
- ❖ Chemical Resistance
- ❖ Impact Resistant
- ❖ Abrasion Resistant

**TYPICAL USES**

- ❖ Power Generating Plants
- ❖ Food Processing Facilities
- ❖ Steel Structures & Bridges
- ❖ Milling and Mining Industry
- ❖ Pulp and Paper Industry
- ❖ Storage Tanks
- ❖ Petrochemical Plants
- ❖ Aircraft Hangars
- ❖ Manufacturing Plants
- ❖ Warehouse Floors

**COLOR**

Grey or Clear with a High Gloss finish.

Custom colors are available. Contact Polycoat Products for more information.

**PACKAGING**

5 gallon kit (19 liter): One 5 gallon (partial fill) pail of Part-A and one 5 gallon (partial fill) pail of Part-B. Clear kit contains 4.3 gallons and Pigmented kit contains 5 gallons of material.

1 gallon kit (3.78 liter): One 1 gallon (partial fill) can containing Part-A and one 1 gallon (partial fill) can containing Part-B. Clear kit contains 0.875 gallon and Pigmented kit contains 1 gallon of material.

**MIXING**

Polyfinish 1110 may not be diluted under any circumstance. Polyfinish 1110 Part-A and Part-B should be mixed individually before combining. Add Part-B to Part-A while mixing, using a mechanical mixer (Jiffy Mixer) at medium speeds. 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.

**SURFACE PREPARATION**

See General Guidelines for additional surface preparation information.

All surfaces must be free of oil, grease, dirt and other contaminants.

Existing Coatings: A test area should be completed before topcoating.

**TECHNICAL DATA**

Coverage Rate, per sq. ft. ....	0.4 gal
	0.163 l/m <sup>2</sup>
Dry Film Thickness,	
Per coat @ 2 gal. per ft <sup>2</sup> .....	5 ± 2 mils
	127 ± 50 mic
Pot Life at 75°F (24°C) .....	2-3 hours
Flash Point .....	91°F
	32.7°C
Total Solids by Volume, ASTM D-2697 .....	63%
Volatile Organic Compounds,	
ASTM D-2369-81 .....	2.8 lbs/gal.
	337 gm/liter

**CHEMICAL RESISTANCE (ASTM D-814)**

<u>Excellent</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>
Distilled Water	Unleaded	Hexanol	IPA, 99%
Skydrol	Gasoline	Acetone	Butanol
Skydrol Jet Fuel		MEK	
Hydraulic oil		MIBK	
Motor Oil		Butyl Acetate	
		Toluene	
		Xylene	

Concrete: Pressure wash (2-3000 psi) with clean fresh water in conjunction with biodegradable cleanser if necessary to remove all contaminants. Surface shall be dry and free of all oils, wax or any loose sealers or coatings.

Surface temperature should be between 60-100°F (15.5-37.7°C). Do not apply product unless temperature is at least 5° above the dewpoint. Re-coat schedule is 8-48 hours depending on the environment.

**APPLICATION**

Check area of application to ensure that it conforms to the substrate requirements as stated in the general guideline section. Prime interior and exterior floors and slabs .

Apply Polyfinish 1110 Pigmented to the substrate at a rate of 2 gallon/100 sq. ft. (1.9 liters/m<sup>2</sup>). Additional coats may be necessary to achieve desired results.

Polyfinish 1110 is a high-performance coating and may become slippery when wet. For a slip resistant surface, uniformly broadcast a washed, dry, rounded 40 to 90 mesh silica sand into the wet topcoat at a rate of 4 to 10 lbs. per 100 sq. ft. Slip resistance will vary depending on the coating thickness.

Airless Sprayer: Use Graco 28:1 pump or higher, Binks "Airless" spray gun with Reversa-Clean 0.017-0.019 spray tips and a" solvent resistant fluid line. Adjust pump pressure to the lowest possible setting that provides proper atomization. Equipment of equal performance is acceptable.

Conventional Spray: Variations of conventional production spray equipment such as pressure pot, air assisted airless or high volume, low pressure systems as supplied by Binks, Graco, Nordson, Devilbiss or equal may be used.

Brush: Use solvent resistant mohair or natural bristle brush with feather edge.

Roller: Use solvent resistant phenolic core, short nap sheep-skin or equal natural roller covers.

#### **EQUIPMENT CLEANUP**

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

#### **STORAGE**

Polyfinish 1110 has a shelf life of six months from date of manufacture in original, factory sealed containers.

#### **LIMITATIONS**

Polyfinish 1110 should not be applied in areas where the surface will come into continual contact with water.

The uncured materials used in Polyfinish 1110 are very sensitive to heat and moisture. Higher temperature and/or high humidity will accelerate the cure time. Use caution in batch sizes and thickness of application. Low temperature and/or low humidity extends the cure time and the use of accelerators may be necessary.

Each application phase to an area should be done in one complete step. A continuous application will ensure a smooth and level coat with no lines or streaks.

Material remaining after application must be tightly sealed to protect it against curing in its container.

#### **WARNING**

This product contains Isocyanates and Solvent.

Part-A of this product is considered Dangerous Goods. DOT regulations classify it as: **PAINT, Class 3, UN 1263, PG II, FLAMMABLE LIQUID.**

---

***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.***

#### **LIMITED WARRANTY**

Turbo Products warrants its products to be free of manufacturing defects and that they will meet Turbo Products current published physical properties. Turbo Products warrants that its products, when properly installed by a state licensed waterproofing contractor according to Turbo Products guide specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of three (3) years. 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 Turbo Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Turbo 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. Turbo 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. Turbo 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 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 Turbo Products makes no claim that these tests or any other tests, accurately represent all environments.