



**TURBO LINER
PRODUCTS INC.
1 W. CAMERON
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DESCRIPTION

Turbo Liner® Polyeuro 8245 is a fast set, rapid curing, 100% solids, flexible, aromatic, two component spray polyurethane polyurea that can be applied to suitably prepared concrete and metal surfaces. Its extremely fast gel time makes it suitable for applications down to -20°F. It may be applied in single or multiple applications without appreciable sagging and is relatively insensitive to moisture and temperature allowing application in most temperatures.

FEATURES

- ❖ Excellent Thermal Stability
- ❖ No Toxic Vapors
- ❖ Meets USDA Criteria
- ❖ Seamless
- ❖ Extremely Low Permeance Rate
- ❖ Excellent Acid & Base Resistance
- ❖ Low Temperature Flexibility
- ❖ Coats Most Metals without Primer
- ❖ Installed With or Without Reinforcement in Transitional Areas
- ❖ Zero VOC
- ❖ Odorless
- ❖ 100% Solids
- ❖ Non-Reactive

TYPICAL USES

- ❖ Power Plants
- ❖ Fertilizer Plants
- ❖ Mining Operations
- ❖ Food Processing Plants
- ❖ Marine Environments
- ❖ Secondary Containment
- ❖ Water and Waste Water Treatment
- ❖ Refineries
- ❖ Structural Steel
- ❖ Cold Storage Facilities
- ❖ Paper and Pulp Mills

COLORS

Black and Grey. Custom colors are available upon request.

Due to its aromatic composition, Turbo Liner® Polyeuro 8245 will tend to yellow or darken in color and will become flat after exposure to UV light. Turbo Liner® Polyeuro 8245 may be topcoated with an aliphatic polyurethane coating for a colorfast finish.

PACKAGING

10 gallon kit: One 5 gallon pail of Part-A and one 5 gallon pail of Part-B.

100 gallon kit: One 50 gallon drum of Part-A and one 50 gallon drum of Part-B.

COVERAGE

Turbo Liner® Polyeuro 8245 may be applied at any rate to achieve desired thickness. Theoretical coverage for 1 mil thickness is one gallon per 1600 sq. ft.

SURFACE PREPARATION

Refer to general guidelines for complete information.

TURBO LINER® POLYEURO 8245
*Two Component
Aromatic Polyurethane
Polyurea Protective Coating*

TECHNICAL DATA

Mix Ratio by Volume	1A : 1B
Pot Life @ 160°F	5-10 seconds
Tack Free Time	40-80seconds
Recoat Time.....	0-2 hours
Viscosity at 150-160°F (66.5-71°C), Brookfield:	
Part-A	200 ± 100 cps
Part-B	500 ± 20 cps
Density (Side A & B Combined)	8.75 lbs/gal
Flash Point	>200°F
Hardness, ASTM D-2240	45 ± 5 D
Tensile, ASTM 412-C	1300 ± 200 psi
Elongation, ASTM 412-C	40% ± 20%
Tear, ASTM 624-C	230 ± 30 pli
Water Vapor Transmission, ASTM E96-00.....	0.00103
Desiccant Method, grams/24 hours/in ²	
Service Temperature	-40°F to 250°F

MIXING

Turbo Liner® Polyeuro 8245 may not be diluted under any circumstances. Use appropriate solvent for solvent purge line and flushing of equipment and if spraying stops for periods exceeding the potlife of the material. Thoroughly mix Turbo Liner® Polyeuro 8245 Part-B Base material with air driven power equipment until a homogeneous mixture and color is obtained.

APPLICATION

Part-A material should be preconditioned at 105-110°F and Part-B material should be preconditioned at 75-80°F before application.

Turbo Liner® Polyeuro 8245 material must be applied using a 1:1 (by volume) plural component, high pressure pump, such as Graco or Gusmer pump systems. Make sure the pump's proportioning unit is capable of consistently supplying the correct pressure and heat for the appropriate hose length, so that Turbo Liner® Polyeuro 8245 is applied in a consistent, efficient manner.

It is important to maintain constant pressures while spraying Turbo Liner® Polyeuro 8245. Any variations in pressures can result in loss of properties, poor color retention, bubbling, blistering and/or debonding of material to the applied surface. Hose temperatures should maintain a minimum temperature of 160°F. The resin and isocyanate heaters should be maintained at 160°F.

EQUIPMENT CLEANUP

Equipment should be cleaned with an environmentally safe, urethane-grade solvent (alcohol free) as permitted under local regulations immediately after use. The uncured iso-

cyanate and resin materials should be disposed of according to local, state and federal laws.

STORAGE

Turbo Liner® Polyeuro 8245 has a shelf life of six (6) months from date of manufacture in factory sealed containers.

Part-A and Part-B drums must be stored above 60°F.

Avoid freezing temperatures.

Store drums on wooden pallets to avoid direct contact with the ground.

If stored for a long period of time, rotate Part-A and Part-B drums regularly.

LIMITATIONS

Do not open until ready to use.

WARNING

This product contains Isocyanates and Curative Material.

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 Liner Inc. representative or visit our website for current technical data and instructions.

LIMITED WARRANTY

Turbo Liner Inc. warrants its products to be free of manufacturing defects and that they will meet Turbo Liner Inc. current published physical properties. Turbo Liner Inc. warrants that its products, when properly installed by a state licensed waterproofing contractor according to Turbo Liner Inc. 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 Turbo Liner Inc. of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Turbo Liner Inc. 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 Liner Inc. 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 Liner Inc. 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 Liner Inc. makes no claim that these tests or any other tests, accurately represent all environments.