



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

TURBO-LINER 5502
*Two Component Aromatic
Polyurea Protective Coating*

DESCRIPTION

Turbo-Liner 5502 is a fast set, rapid curing, 100% solids, flexible, aromatic, two component spray 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
- ❖ Low Temperature Flexibility
- ❖ Good Chemical Resistance
- ❖ Excellent Color Retention
- ❖ Coats Most Metals without Primer
- ❖ Installed With or Without Reinforcement in Transitional Areas
- ❖ Zero VOC
- ❖ Odorless
- ❖ 100% Solids
- ❖ Low Permeance Rate
- ❖ Non-Reactive

TYPICAL USES

- ❖ Airports
- ❖ Refineries
- ❖ Fertilizer Plants
- ❖ Mining Operations
- ❖ Food Processing Plants
- ❖ Marine Environments
- ❖ Secondary Containment
- ❖ Walkways and Balconies
- ❖ Water and Waste Water Treatment
- ❖ Industrial and Manufacturing Facilities
- ❖ Power Plants
- ❖ Structural Steel
- ❖ Warehouse Floors
- ❖ Cold Storage Facilities
- ❖ Landfill Containment
- ❖ Paper and Pulp Mills
- ❖ Parking Garage Decks

COLORS

Neutral. Custom colors are available upon request.

Due to its aromatic composition, Turbo-Liner 5502 will tend to yellow or darken in color and will become flat after exposure to UV light. Turbo-Liner 5502 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 5502 may be applied at any rate to achieve desired thickness. Theoretical coverage for 1 mil thickness is one gallon per 1600 sq. ft.

TECHNICAL DATA (Based on compressed film)

Mix Ratio by Volume	1A : 1B
Pot Life	2-4 seconds
Tack Free Time	60-120 seconds
Recoat Time	0-12 hours
Viscosity at 150-160°F (66.5-71°C), Brookfield:	
Part-A	50 ± 20 cps
Part-B	50 ± 20 cps
Density (Side A & B Combined)	8.75 lbs/gal
Flash Point	>200°F
Hardness, ASTM D-2240	50 ± 5 D
Tensile, ASTM 412-C	3000 ± 200 psi
Elongation, ASTM 412-C	425% ± 20%
Tear, ASTM 624-C	450 ± 50 pli
Service Temperature	-40°F to 300°F
Permeability MVT at 30 mils	0.026 Perms

SURFACE PREPARATION

Refer to general guidelines for complete information.

MIXING

Turbo-Liner 5502 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 5502 Part-B Base material with air driven power equipment until a homogeneous mixture and color is obtained.

APPLICATION

Both Part-A and Part-B materials should be preconditioned at 75-80°F before application.

Turbo-Liner 5502 should be applied using a plural component, heated, high pressure 1:1 spray equipment.

Turbo-Liner 5502 may be applied at any ambient temperature. However, the equipment temperature is important. Both Part-A and Part-B materials should be sprayed at temperatures above 150°F. Adequate pressure and temperature should be maintained at all times.

EQUIPMENT CLEAN UP

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

STORAGE

Turbo-Liner 5502 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 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 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 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

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