**TURBO LINER PRODUCTS INC.**
**1 W. CAMERON**
**KELLOGG, ID 83837**

# TURBO-LINER® DBLP-1188

*Two Component Modified Polyurea Protective Coating*
*Revised 1/01/14*

## DESCRIPTION

Turbo Liner® DBLP-1188 is a two component, 1:1.88, 100% solids, liquid applied, modified polyurea liner system for metal, concrete, fiberglass and wood surfaces.

## FEATURES

- ❖Seamless
- ❖Tough and Elastomeric
- ❖Chemical Resistant
- ❖Low Temperature Flexibility
- ❖Abrasion and Impact Resistant
- ❖Low Pressure Application
- ❖High Build
- ❖Quick Drying

## TYPICAL USES

- ❖Truck Bed Surfaces
- ❖Utility Vehicles
- ❖Cargo liners
- ❖Boat Linings
- ❖Waterproof Decking
- ❖Cargo Holds
- ❖Horse Trailers
- ❖Industrial Floorings
- ❖Walkways
- ❖Mold Castings
- ❖Encapsulation of Fiberglass Bodies and Polystyrene Foams
- ❖Secondary Containment Lining with or without Geo Textile

## COLOR

Neutral or Black. Custom colors are available upon request.

## PACKAGING

One 55 gallon drum net content 500 lbs. of Side-A and two 55 gallon drum net content 450 lbs. each drum of Side-B.

## MIXING

Turbo Liner® DBLP-1188 may not be diluted under any circumstances. Thoroughly mix Turbo Liner® DBLP-1188 Side-B Resin material with air driven power equipment until a homogeneous mixture and color is obtained.

Side-B Resin material must be thoroughly agitated until a homogenous mixture is obtained. Do not allow air to be incorporated into the product. Total suspension must be achieved. Side-A Isocyanate requires no mixing.

## COVERAGE

Turbo Liner® DBLP-1188 may be applied at any rate to achieve desired thickness. Theoretical coverage per gallon is 1600 sq. ft. at 1 mil.

## SURFACE PREPARATION

In general, coating performance and adhesion are directly proportional to surface preparation. All surfaces must be free of oil, grease, dirt and other contaminants.

**Pick-Up Truck:** Sanding and scuffing of the original paint finish is required to obtain a permanent bond of the spray-on liner to the pick-up truck bed.

**TECHNICAL DATA**

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|---|---|
| Mix Ratio, by volume | 1A:1.88B |
| Pot Life @ 80°F (27°C) | 16-20 seconds |
| Tack Free Time (@ 150 mils thickness) | 50-70 seconds |
| Recoat Time | 6-12 hours |
| Viscosity @ 80°F (27°C), Brookfield: | |
| Side-A | 900-1000 cps |
| Side-B | 700-900 cps |
| Density (Side-A & B Combined) | 8.4-8.8 lbs/gal |
| Flash Point | >200°F |
| Hardness, ASTM D-2240 | 55-60 Shore D |
| Tensile, ASTM D-412 | 1300-1600 psi |
| Elongation, ASTM D-412 | 300-350% |
| Tear, ASTM D-624 | 175-200 pli |
| Service Temperature | -20°F to 200°F |

After the vehicle is masked with paper and the surface has been thoroughly cleaned, sand the surface using 40 grit sanding discs on an autobody disc arbor.

In areas which cannot be accessed by power tools, surface preparation can be completed by hand using 80 or 100 grit sandpaper or a coarse scuffing pad such as Scotchbrite.

Take care that all edges at tape lines are well scuffed and sanded.

After sanding and scuffing the surface must be clean and dust free.

**Concrete:** Remove all contaminants such as oil, grease, dirt, form oil residue, wax or any other chemical product prior to proceeding with surface preparation. The surface should be free of voids, pot holes or bug holes, loose or weak concrete and the necessary surface profile must be achieved as listed below to ensure proper adhesion and good surface appearance.

Abrasive blast using brush blast technique or better to achieve 1.5-3 mil anchor profile.

Vacuum to remove dust, etc., prior to application of primer.

Use fiberglass (C-Veil Glass) or a geotextile cloth to bridge cracks over the primed surface.

Primer is always recommended to take care of voids, pot holes or bug holes etc.

## APPLICATION

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

Turbo Liner® DBLP-1188 should be applied using a plural component, low pressure spray mixing equipment. The simple

spray equipment can have a single motor driving two separate fixed ratio proportioning pumps. The Side-A Iso and Side-B Resin are pumped separately to a static mixing tube for air assisted or airless spray. It is recommended to use a 3/8" x 24 element mixing wand / Static spiral mixer for proper mixing.

Contact Turbo Liner Products for further information.

**STORAGE**
Turbo Liner® DBLP-1188 has a shelf life of six (6) months from date of manufacture in original, factory sealed containers.

Avoid exposure to freezing temperatures for an extended period of time.

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

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

**LIMITATIONS**
Due to its aromatic composition, Turbo Liner® DBLP-1188 will tend to yellow or darken in color after exposure to UV light. Turbo Liner® DBLP-1188 may be topcoated with MPL Topcoat an aliphatic polyurethane coating for a color-fast glossy finish.

Do not open until ready to use.

Both Side-A and Side-B containers bust be fitted with a desiccant device during use.

**WARNING**
This product contains isocyanate 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 Products representative or visit our website for current technical data and instructions.***

**LIMITED WARRANTY**
Turbo Liner Products warrants its products to be free of manufacturing defects and that they will meet Turbo Liner Products current published physical properties. Turbo Liner Products warrants that its products, when properly installed by a state licensed waterproofing contractor according to Turbo Liner 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 Liner 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 Liner 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 Liner 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 Liner 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.

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