

# Custom Linings Sprayed on Bed Liners 1-888-TRUK-BED

## Custom Linings® 709 Two Component Modified Polyurea Protective Coating

### DESCRIPTION

Custom Linings® 709 is a two component, 1:1, 100% solids, fast set, liquid applied, modified polyurea liner system for metal, concrete, fibre glass and wood surfaces.

### FEATURES

- ❖ Seamless
- ❖ Tough and Elastomeric
- ❖ Chemical Resistance
- ❖ Low Temperature Flexibility
- ❖ Abrasion and Impact Resistant
- ❖ High Build
- ❖ Zero VOC
- ❖ Quick Drying

### TYPICAL USES

- ❖ Cargo liners
- ❖ Utility Vehicles
- ❖ Truck Bed Surfaces
- ❖ Boat Linings
- ❖ Waterproof Decking
- ❖ Encapsulation of Fiberglass Bodies and Polystyrene Foams
- ❖ Cargo Holds
- ❖ Horse Trailers
- ❖ Industrial Floorings
- ❖ Walkways
- ❖ Containment Areas

### COLOR

Black, Tan, Neutral or Gray

### PACKAGING

100 gallon kit: 50.0 gallons Part-A and 50.0 gallons Part-B.

### MIXING

Custom Linings® 709 may not be diluted under any circumstances. Thoroughly mix 709 Side-B Base material with air driven power equipment until a homogeneous mixture and color is obtained. Both Side-A and Side-B material should be at the temperature range of 130-140°F before application.

Side-B base 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

Custom Linings® 709 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 is 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 (Based on compressed film)

Flash Point .....	>200°F
Density .....	9.0 lb/gal
Viscosity at 80°F (24°C), Brookfield,	
Part-A .....	100 ± 50 cps
Part-B .....	100 ± 50 cps
Spray Temperature .....	130-140°F
Mix Ratio, by volume .....	1A:1B
Pot Life, 135°F @ 50% R.H. ....	3-5 seconds
Hardness, ASTM D-2240 .....	84 ± 5 Shore A
Tack Free Time, 135°F .....	20-40 seconds
Tensile, ASTM 412-C .....	1800 ± 300 psi
Elongation, ASTM 412-C .....	250 ± 20%
Tear, ASTM 624-C .....	250 ± 40 pli
Service Temperature .....	-20-250°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

Plural component, heated, high pressure 1:1 spray mixing equipment like Graco's Hydra Cat, Glas-Craft or other equivalent machine may be used.

Both Side-A and Side-B materials should be sprayed at temperatures above 130°F. Adequate pressure and temperature should be maintained at all times.

#### **STORAGE**

Custom Linings® 709 has a shelf life of six months from date of manufacture in original, factory sealed containers.

#### **LIMITATIONS**

Due to its aromatic composition, Custom Linings® 709 will tend to yellow or darken in color after exposure to UV light. Choose to apply dark colors that will not show the effects of UV light (black, battleship gray, ect) or you may choose to topcoat, with a product such as MPL Topcoat an aliphatic polyurethane coating for a color-fast glossy finish.

Do not open until ready to use.

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 drums

regularly.

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

#### **WARNING**

This product contains isocyanate and curative material.

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**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 Custom Linings representative or visit our website for current technical data and instructions.**

#### **SAFETY PRECAUTIONS**

This product is for industrial use only by professional applicators and is not intended or suitable for use in or around a household or residential property. Keep away from children and household items. This material contains polyisocyanates. Vapors and spray mist are harmful. Improper handling and use may be hazardous. At all times safety precautions must be strictly followed during storage, handling and application.

#### **WARNING**

Individuals with chronic respiratory problems or prior respiratory reactions to such materials should not be exposed to vapors. All personnel entering the application area, including the applicator must wear properly fitted, NIOSH/MSHA approved, fresh air positive pressure air respirators with a full face piece or an air supplied hood.

Keep the material away from sparks, flash and open flames. Containers, even those that have been emptied, may contain dangerous and explosive vapors. Do not cut, drill, grind, weld or perform similar operations on or near containers. Do not pressurize containers to empty them.

#### **LIMITED WARRANTY**

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