



## Technical Data

# GatorHyde DLX UV

## Aliphatic Polyurea Spray Coating

NB 2074  
Revised: 020110

### MANUFACTURER

GatorHyde Protective Coatings, Inc.  
2210 South Highway 69  
Wagoner, OK 74467  
Phone: (918) 485-2835

### PRODUCT DESCRIPTION:

**GatorHyde DLX UV** is a two component, 100% solids, No VOC's (Volatile Organic Compound), color stable, polyurea. **GatorHyde DLX UV** retains color and gloss for a period of many years in direct sunlight. **GatorHyde DLX UV** displays quick cure times and offers excellent adhesion to properly prepared substrates. The unique chemical make-up of this rapid curing polyurea hybrid enables the material to be installed on substrate temperatures as low as 0°F and as high as 200°F. This material displays excellent UV characteristics and is suitable for either interior or exterior use. **GatorHyde DLX UV** can be used as a protective coating over many substrates, however, it was specifically developed for O.E.M. quality applications that require good gloss and color retention. Use of **GatorGloss II** will restore the original excellent high gloss finish.

### PRIMARY APPLICATIONS:

- PICK-UP TRUCK /COATING
- MARINE COATING
- POLYSTYRENE FOAM COATING
- CONCRETE WATERPROOFING
- PLYWOOD AND OTHER WOOD PRODUCTS
- FIBER GLASS SURFACES
- PLASTIC SURFACES

### APPLICATION EQUIPMENT:

**GatorHyde DLX UV** has been specifically developed for use with high-pressure or low pressure plural component spraying equipment (minimum 2000 psi) fitted with heated hose and primary heaters capable of maintaining 160°F. **See manufacturer for details on pump systems and accessories.**

### AVAILABLE COLORS:

#### Standard Colors:

- Black
- Tan
- Custom colors on request

### APPLICATION RECOMMENDATIONS:

**GatorHyde DLX UV** adheres extremely well to properly prepared metal, wood, fiber glass, plastic, and foam surfaces. Prior to coating procedure, make sure that the substrate is free of loose dust, dirt, rust, grease, oil, mold release agent or other contaminants that might interfere with the bonding process. Where excellent adhesion is required, it is recommended that all metal, fiber glass, or plastic surfaces be primed before applying **GatorHyde DLX UV**. **Contact manufacturer for recommended primer and details on pump systems and accessories.**

### PRIMING VARIOUS SUBSTRATES:

Depending on application use, choosing the right primer can be the difference between bonding success and failure of a rapid curing, polyurea spray coating system. Before applying **GatorHyde DLX UV** on steel/metal, aluminum, galvanized steel or fiber glass surfaces, contact the manufacturer for specific details on which primer should be used and the proper primer application procedure.

### PHYSICAL PROPERTIES (1:1 BY VOL.): 10 Day

#### Post Cure 200°F 18 hours

TENSILE STRENGTH, PSI	ASTM D412	2422
ELONGATION, %	ASTM D412	436
100% MODULUS	ASTM D412	1294
200% MODULUS	ASTM D412	1456
300% MODULUS	ASTM D412	1757
DIE "C" TEAR STRENGTH, PLI	ASTM D624	558
HARDNESS, SHORE A	ASTM D2240	98
HARDNESS, SHORE D	ASTM D2240	50

### PHYSICAL PROPERTIES (1:1 BY VOL.): 30 Day

#### Post Cure 200°F 18 hours

TENSILE STRENGTH, PSI	ASTM D412	3557
ELONGATION, %	ASTM D412	461
100% MODULUS	ASTM D412	1553
200% MODULUS	ASTM D412	1757
300% MODULUS	ASTM D412	2185
DIE "C" TEAR STRENGTH, PLI	ASTM D624	558
HARDNESS, SHORE A	ASTM D2240	98
HARDNESS, SHORE D	ASTM D2240	50

### TYPICAL PROCESSING PROPERTIES:

GEL TIME (ADJUSTABLE)	SECONDS	6
TACK FREE TIME	SECONDS	45

### APPLICATION NOTES:

**GatorHyde DLX UV** adheres well to sound steel substrates. All surfaces should be free of moisture, rust, loose particles, petroleum-based products, bond breakers and other contaminating debris.

**CLEAN-UP/DISPOSAL:**

Cured product may be disposed of without restriction. The un-cured isocyanate and resin portions should be mixed together and disposed of in a normal manner. "Drip free" containers should be disposed of according to local, state, and federal laws.

**SAFETY & HANDLING:**

MSDS will be mailed immediately upon receipt of a purchase order or upon request. All personnel should read and understand the safety recommendations. Keep uncured product away from children at all times.

**LIMITATIONS:**

**GatorHyde DLX UV** is an aliphatic polyurea. While the physical properties may not be affected, this elastomer may lose its high gloss appearance and slightly change colors under constant exposure to UV or mercury vapor light, over a period of time. The chemical resistance chart should be consulted prior to any application. **Each individual user should check the product compatibility with their application requirements prior to full-scale use.** Samples are available upon request.

**SHELF LIFE & STORAGE:**

Six months in factory delivered, unopened drums. Keep away from extreme heat, freezing, and moisture. Proper storage temperature is between 60°F and 80°F. The components used in the **GatorHyde DLX UV** formulations have been specifically formulated to withstand low temperature applications. The material can be stored at temperatures as low as 20°F with no gelation of the components. However, it is recommended to warm the material to minimum of 80°F before application.

**PACKAGING:**

**GatorHyde DLX UV** is available in 55-gallon drums.

**SHIPPING INFORMATION:**

**GatorHyde DLX UV** can be shipped via most commercial truck lines. The shipping class is "55". The "A" and "B" sides are unregulated.

**"Preliminary" CHEMICAL RESISTANCE:****ASTM D3912 MOD. 4 Hour Spot Tests**

<b><u>Chemical</u></b>	<b><u>Result (25°C)</u></b>
Brake Fluid (DOT3)	C
Clorox® (10%)/Water	C
Diesel Fuel	RC
Gasoline	RC
Hydraulic Fluid (oil)	RC
NaCl/Water (10%)	R
Potassium Hydroxide (10%)	R
Sodium Hydroxide (10%)	R
Sodium Bicarbonate	R
Sugar/Water (10%)	R
Sulfuric Acid (10%)	R,Dis
Sulfuric Acid (>22%)	NR
Salt Water (Ocean Water)	R
Vinegar (5%)/Water	R
Water	R
Xylene	C

**R = Recommend** = Little or no Visible Damage

**RC = Recommend Conditional** = Some Effect-Swelling, Discoloration

**C = Conditional** = Cracking—Wash Down Within One Hour of Spillage to Avoid Effects

**NR = Not Recommended**

**Dis = Discoloration Only**

**WARRANTY:**

The technical data and any other printed information furnished by GatorHyde are true and accurate to the best of our knowledge. **GatorHyde DLX UV** conforms to in-house quality control procedures and should be considered free of defects. Due to the wide range of applications of this product, it is impossible to assume responsibility for any errors in regard to application, coverage, workmanship, over-spray, or injuries resulting from the use of this product. GatorHyde makes no warranty expressed or implied, of its products and shall not be liable for indirect or consequential damage in any event.

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