



### Polyurea Hybrid Coating

NB 2081

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#### MANUFACTURER

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

#### PRODUCT DESCRIPTION:

**GatorHyde CG-75** is a two component, 100% solids, Zero VOC's (Volatile Organic Compound), UV stabilized, modified polyurea hybrid. **GatorHyde CG-75** offers outstanding performance and durability when used as a protective coating for vehicles. **GatorHyde CG-75** displays quick cure times and offers excellent adhesion to properly prepared substrates. The unique chemical make-up of this rapid curing Polyurea-hybrid elastomer enables the material to be installed on substrate temperatures as low as 32°F. Because **GatorHyde CG-75** is not a urethane it is far less sensitive to moisture, thereby seriously reducing the risks of bubbling in climates where the humidity is consistently high. This material displays excellent UV characteristics and is suitable for either interior or exterior use.

#### APPLICATION EQUIPMENT:

**GatorHyde CG-75** must be applied utilizing a high pressure, plural component pump (1:1 by Volume) such as the GRACO Reactor E-10, E-XP1, E-XP2 or GRACO H-XP2. When ready to spray this material, the proportioning unit must be capable of supplying the correct pressure and heat which is mandatory in order to apply the product in a consistent, efficient manner. Depending on the plural component spray system used, **GatorHyde CG-75** should be applied at a constant pressure range between 2000 and 2500 psi and material temperature of 150°F to 170°F. Drum belt heaters may be required in cooler climates. For additional information on equipment and installation issues, contact ESI for details.

#### AVAILABLE COLORS:

- Black
- Standard Colors

#### APPLICATION RECOMMENDATIONS:

**GatorHyde CG-75** adheres extremely well to properly prepared metal, wood, and concrete 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 or concrete surfaces be primed before applying **GatorHyde CG-75**. **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. The manufacturer recommends the following primers to be installed prior to applying **GatorHyde CG-75**.

1. **Concrete, Concrete Block and Masonry surfaces**
  - a. **PoxyPrime** a 100% solids epoxy primer mfg. by GatorHyde. Prior to applying said primer, all surface areas should be properly prepared by removing any and all loose dirt, grease, oil, failed paint or coating systems. Surfaces are to be steel shot or sand blasted in order to provide the right surface profile. Once the surface has been properly prepared, **PoxyPrime** is to be installed at approximately 100-150 SF per gallon, depending on the porosity of the surface and recommended application specification. See mfg. for product spec data and MSDS sheet.
2. **Steel surfaces:**
  - a. **PoxyPrime** mfg. by GatorHyde or ChemLok 213 mfg. by Lord Chemical Company. Prior to applying either of these recommended primers, make sure that the steel surface is free of all petrol chemical, paint, coatings or any other surface contaminates. Next abrade the entire surface using the steel shot or sand blast method. Once the surface has been properly prepared, then and only then, install the specified primer to the steel surface in accordance with the manufacturer's recommended coverage rate. Allow the appropriate curing time of the primer before applying the **GatorHyde CG-75**. See manufacturer for product spec data and MSDS sheets.

### 3. Aluminum & Galvanized Surfaces:

a. **GatorHyde Wash Primer** manufactured by GatorHyde, is a special primer developed for use on all aluminum and galvanized surfaces prior to the application of **GatorHyde CG-75**. All surfaces shall be properly prepared before applying primer by removing all loose dirt, dust, petrol chemicals, paint, mold release and coating systems. Once contaminants have been properly removed, then apply **GatorHyde Wash Primer** in accordance with specification data as supplied by GatorHyde. Once primer has been applied, wait the recommended amount of time prior to installing the **GatorHyde CG-75**. See manufacturer for product spec data and MSDS sheets.

### 4. Wood, Plywood, Masonite Particle Board:

a. **PoxyPrime** 100% solids epoxy primer mfg. by GatorHyde, shall be the specified primer. Prior to installing **PoxyPrime** on any wood surface, make sure that the wood is dry and free from all forms of oils, release agents, petrol chemicals, dirt, failed paint and other contaminants which may prevent the primer from properly bonding to the wood surface. Depending on the type of substrate, it may be necessary to apply two coats of **PoxyPrime** in order to eliminate the possibility of pin holing of the **GatorHyde CG-75** when applied. Once the primer has been applied allow the product to cure in accordance with the manufacturer's specification data prior to applying **GatorHyde CG-75**. See manufacturer for product spec data and MSDS sheets.

### 5. Fiberglass Surfaces:

a. **IsoPrime II**, solvented, single component primer, mfg. by GatorHyde, is recommended for use on all fiberglass surfaces before the application of **GatorHyde CG-75**. Prior to preparation of the surface make sure all loose dirt, debris, petrol chemicals, release agent and primers have been thoroughly removed. Rough up the entire surface area using a coarse, variable speed buffer with a medium to course grit sanding disk. Next wipe surface area clean with acetone before applying **IsoPrime II**. **Do Not Apply primer** full strength. It must be diluted with acetone at a volume ratio of 50:50. Once the primer is mixed, it can then be applied with either a cup gun, airless sprayer or can be rolled or brushed on. The primer should be applied at approximately ½ to 1 mil (no more). Allow primer to become tack free, approximately 30 minutes. Once primer is tack free, install **GatorHyde CG-75** at the specified film thickness. See manufacturer for product spec data and MSDS.

### PRODUCT USES:

**GatorHyde CG-75** can be used to rehabilitate and protect concrete or masonry surfaces which have been damaged from mechanical, chemical or temperature related abuse. **GatorHyde CG-75** can be used as a protective, elastomeric membrane coating for applications in or on:

- Cold Storage Facilities
- Food Processing Plants
- Bottling and Canning Facilities
- Fast Food Facilities
- Airport Hangers
- Waste Water Treatment Plants
- Parking Decks and Ramps
- Walk Ways and Balcony Decks
- Industrial Facilities
- Manufacturing Facilities
- Primary/Secondary Containment over Geo-Textile Fabric
- Vertical or Horizontal Concrete or Wood Surfaces
- Masonry Block
- Insulation Board
- Sprayed on Urethane Foam
- Over FRP Board
- Cement Board
- Steel Pipe
- Commercial Kitchen or Bakery Floors
- Aluminum Boat Interiors
- Pick Up Bed Coating

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

Post Cure 200°F, 18 hours

TENSILE STRENGTH, PSI	ASTM D412	2289
ELONGATION, %	ASTM D412	387
100% MODULUS	ASTM D412	607
200% MODULUS	ASTM D412	827
300% MODULUS	ASTM D412	1054
DIE "C" TEAR STRENGTH, PLI	ASTM D624	240
HARDNESS, SHORE A	ASTM D2240	75-80
VISCOSITY A-SIDE (75°F)	CPS	1200
VISCOSITY B-SIDE (75°F)	CPS	1100

### TYPICAL PROCESSING PROPERTIES:

GEL TIME (ADJUSTABLE)	SECONDS	3
TACK FREE TIME	SECONDS	8
OVER COAT WINDOW	HOUR	1

### APPLICATION NOTES:

**GatorHyde CG-75** adheres well to sound 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.

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**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 CG-75** is an aromatic hybrid polyurea. While the physical properties may not be affected, the elastomer could yellow with exposure to UV or mercury vapor light. It is highly recommended to use a dark color for any applications requiring color stability. If color stability is mandatory, contact the manufacturer for recommendations. 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:**

Eight 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 CG-75** 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 70°F before application.

**PACKAGING:**

**GatorHyde CG-75** is available in 5 gallon pails, 55-gallon drums, and 275 gallon totes.

**SHIPPING INFORMATION:**

**GatorHyde CG-75** can be shipped via most commercial truck lines. The shipping class is "55". The "A" and "B" sides are unregulated.

	<u>Net Weight</u>	<u>Container Wt</u>	<u>Total Wt</u>
A-side 5gal pails	45 lbs	2 lbs	47 lbs
A-side 55 gal drum	475 lbs	45 lbs	520 lbs
A-side 275 gal tote	2376 lbs	140 lbs	2516 lbs
B-side 5gal pails	42 lbs	2 lbs	44 lbs
B-side 55 gal drum	462 lbs	45 lbs	507 lbs
B-side 275 gal tote	2310 lbs	140 lbs	2450 lbs

May vary with pigments.

**CHEMICAL RESISTANCE:****ASTM D3912 MOD. 4 Hour Spot Testo**

<u>Chemical</u>	<u>Result (25°C)</u>	
Brake Fluid (DOT3)	RC	
Clorox® (10%)/Water	RC	Bleaching may occur
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	
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 CG-75** 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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