



MANUFACTURER

GatorHyde Protective Coatings, Inc.

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PRODUCT DESCRIPTION:

GatorHyde HP is a two component, 100% solids, zero VOC's (Volatile Organic Compound), pure polyurea, modified spray elastomer. **GatorHyde HP** offers outstanding performance and durability when used as a protective coating for pick-up truck beds. **GatorHyde HP** displays quick cure times and offers excellent adhesion to properly prepared surfaces. The unique chemical make-up of this rapid curing Polyurea elastomer enables the material to be installed at temperatures as low as 32°F. Because **GatorHyde HP** 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. **GatorHyde HP** offers excellent UV characteristics and will not degrade or chalk when exposed to sun light. However this product is an aromatic polyurea and is NOT COLOR FAST. **GatorHyde HP** is however, suitable for use on either interior or exterior surfaces.

APPLICATION EQUIPMENT:

GatorHyde HP 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 HP** should be applied at a constant pressure range between 2000 and 2500 psi and material temperature of 140°F to 160°F. *For additional information on equipment and installation issues, contact GatorHyde for details.*

SPECIAL APPLICATIONS:

GatorHyde HP can also be used as a concrete coating for protection against chemical exposure, moisture migration, abrasive vehicle/foot traffic or as a membrane for industrial floors, and protective coating for secondary containment. Due to its chemical make-up, **GatorHyde HP** performs well in applications subjected to intermittent high temperatures and temperatures down to -40°F. Depending on the gel time, **GatorHyde HP** can be applied to vertical or horizontal surfaces. **Contact manufacturer for information on additional applications and gel times.**

AVAILABLE COLORS:

Standard Colors:

- Black
- Safety Yellow

Special colors available upon request, but require additional lead time and cost. For details contact manufacturer or your local sales representative.

APPLICATION RECOMMENDATIONS:

GatorHyde HP 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 HP**. **Contact manufacturer for recommended primer and details on pump systems and accessories.**

PHYSICAL PROPERTIES (1:1 BY VOL.):

Post Cure 200°F 18 hours

TENSILE STRENGTH, PSI	ASTM D412	3315
ELONGATION, %	ASTM D412	376
100% MODULUS	ASTM D412	1678
200%	ASTM D412	2145
300%	ASTM D412	2744
DIE "C" TEAR STRENGTH, PLI	ASTM D624	518
HARDNESS, SHORE A	ASTM D2240	95
HARDNESS, SHORE D	ASTM D2240	47
VISCOSITY A-SIDE (75°F)	CPS	400
VISCOSITY B-SIDE (75°F)	CPS	350

TYPICAL PROCESSING PROPERTIES:

GEL TIME (ADJUSTABLE)	SECONDS	5
TACK FREE TIME	SECONDS	11
MACHINABLE	MINUTES	25
VOLUME RATIO	A:B	1:1

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 HP**.

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 tech 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 HP**. See manufacturer for product tech 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 HP**. 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 HP**. See manufacturer for product tech 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 HP** when applied. Once the primer has been applied allow the primer to cure in accordance with the manufacturer's specification data prior to applying **GatorHyde HP**. See manufacturer for product tech data and MSDS sheets.

5. Fiberglass Surfaces:

a. **IsoPrime II**, a solvented, single component primer, mfg. by GatorHyde is recommended for use on all fiberglass surfaces before the application of **GatorHyde HP**. 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 MEK at a volume ratio of no less than 50:50. If MEK is not available, use acetone. Once the primer is mixed, it can then be applied either with a cup gun, airless sprayer or can be rolled or brushed on. The product should be applied at approximately ½ to 1 mil (no more). Allow primer to become tack free, approximately 30 minutes. Once tack free then install **GatorHyde HP** at the specified film thickness. See manufacturer for product tech data and MSDS.

PRODUCT USES:

GatorHyde HP can be used to rehabilitate and protect concrete or masonry surfaces which have been damaged from mechanical, chemical or temperature related abuse.

GatorHyde HP 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

APPLICATION NOTES:

GatorHyde HP 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. When utilizing a plural component pump, it is recommended that a 3/8" x 24 element-mixing wand be used in order to ensure proper mixing and backpressure.

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 HP 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 HP** 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 60°F before application.

PACKAGING:

GatorHyde HP is available in 5 gallon pails, 55-gallon drums, and 275 gallon totes.

SHIPPING INFORMATION:

GatorHyde HP 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	500 lbs	45 lbs	545 lbs
A-side 275 gal tote	2500 lbs	140 lbs	2640 lbs
B-side 5gal pails	41 lbs	2 lbs	43 lbs
B-side 55 gal drum	450 lbs	45 lbs	495 lbs
B-side 275 gal tote	2250 lbs	140 lbs	2390 lbs

CHEMICAL RESISTANCE:**ASTM D3912 MOD. 3 DAY IMMERSION**

<u>Chemical</u>	<u>Result (25°C)</u>
Brake Fluid (DOT3)	RC
Clorox® (10%)/Water	C,Dis
Diesel Fuel	R
Gasoline	R
Hydraulic Fluid (oil)	R,Dis
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 HP** 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.