



Technical Data

PoxyPrime

Surface Primer

NB 1201

Revised: 041510

MANUFACTURER

GatorHyde Protective Coatings, Inc.
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Wagoner, OK 74467
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PRODUCT DESCRIPTION:

PoxyPrime is a two component, 100% solids, no VOC's (Volatile Organic Compound), pure epoxy (all Amine-based) that has been developed as a primer for concrete, plywood, wood decking, steel, and fiberglass surfaces. **PoxyPrime** can be applied at temperatures ranging from 20°F to 170°F. **PoxyPrime** shows very good moisture permeation resistance and functions very well as a primer for immersed applications in salt water or freshwater. **PoxyPrime** may be top coated with a variety of elastomeric products such as GatorHyde ARC, GatorHyde AL or PolySpar HP. **PoxyPrime** is a low blushing, rapid curing epoxy that can be sprayed or rolled.

APPLICATION EQUIPMENT:

This material can be applied utilizing a high-pressure plural component pump (1:2 ratio) or can be hand mixed, squeegeed and rolled on.

AVAILABLE COLORS:

- Unpigmented
- Medium Grey
- Tan

SPECIAL INSTALLATION RECOMMENDATIONS:

Concrete — For optimum performance, the concrete should be shot-blasted or acid etched. The concrete should be allowed to cure a minimum of 30 days. **PoxyPrime** should always be applied in 2-5 mil coats for maximum wet out and adhesion. After proper preparation, **PoxyPrime** should be applied in a cross directional (North, South, East, and West) method. It is recommended to apply **PoxyPrime** (when used as a primer) at a minimum thickness of 5 mils. **PoxyPrime** may be applied in several coats to help eliminate pin-holing. **PoxyPrime** may be top-coated immediately after tack. **PoxyPrime** must be top coated within 24 hours of application at 75°F.

APPLICATION NOTES:

It is very important to maintain constant pressures while spraying. A variation in pressures can result in loss of properties, poor color retention, and bubbling. Hose temperatures should maintain a temperature of 130°F. The resin and isocyanate heaters should maintain 130°F. The materials should not be heated greater than 140°F. The spray gun usually requires a fan tip or round chamber. However, line pressures may vary with equipment. The contractor should verify consistency to his own satisfaction.

TYPICAL PHYSICAL PROPERTIES :

TENSILE STRENGTH, PSI		6600
ELONGATION, %		3.4
FLEXURAL MODULUS		460,000
HARDNESS, SHORE D		83
FLEXURAL STRENGTH		7100
TABER ABRASION, MG LOSS	ASTM D4060	TBA
	CS 17 WHEELS	
	1KG, 1000 REVS	
VISCOSITY B-SIDE (75°F)	CPS	800
VISCOSITY A-SIDE (75°F)	CPS	800
A-SIDE HOSE TEMPERATURE	°F	130
B-SIDE HOSE TEMPERATURE	°F	130
BLOCK TEMPERATURE	°F	130
CONSTANT PRESSURE, PSI		
	GLAS-CRAFT,PROBLER®	2000

TYPICAL PROCESSING PROPERTIES:

GEL TIME	Minutes	11
TACK FREE TIME	Minutes	90-120
VOLUME RATIO (A:B)	V:V	1:2
OVERCOAT WINDOW	75°F	24 Hours

CLEAN-UP/DISPOSAL:

Cured product may be disposed of without restriction. The uncured hardener and resin portions 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. All body parts should be covered and activated charcoal respirators (forced air is preferable) are necessary for safe application of this product. Keep uncured product away from children at all times.

SHELF LIFE & STORAGE:

Six months to one year in factory delivered, unopened drums. Keep away from extreme heat, freezing, and moisture. The use of drum heaters is encouraged to reduce material viscosity at low temperatures.

PACKAGING:

PoxyPrime is available in 5 gallon pails and 55 gallon drums.

SHIPPING INFORMATION:

PoxyPrime is shipped corrosive, shipping class 55.

CHEMICAL RESISTANCE:**ASTM D3912 MOD. 21 DAY IMMERSION**

<u>Chemical</u>	<u>Result (25°C)</u>
Acetic Acid (10%)	0.86
Hydrochloric Acid (10%)	0.38
Sodium Hydroxide (10%)	0.32
Sulfuric Acid (10%)	0.51
M.E.K.	DES
Xylene	2.30
Ethanol	7.49

% Weight Gain after 7 day immersion at 25 degrees Cent.

ADHESION RESULTS:**ASTM D-4541 Patti Tester Results**

Concrete Dry -Patio Block

Adhesive Failure >850PSI
1/4" Concrete Pulled on back of dolly

Concrete Wet- Patio Block

Adhesive Failure >650 PSI
1/16" Concrete Pulled on back of dolly

Concrete Wet- Patio Block Immersed 7 days in tap water after application and then tested for water permeation bond failure

Adhesive Failure >550 PSI
1/16" Concrete Pulled on back of dolly

WARRANTY:

The technical data and any other printed information furnished by GatorHyde are true and accurate to the best of our knowledge. **PoxyPrime** 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.

Revised: 041510