



Technical Data

RibbonFlo 95

Protective Coating & Rapid Mold Casting
NB 1203
Revised: 041610

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

PRODUCT DESCRIPTION:

RibbonFlo 95 is a two component, 100% solids, 0 VOC's (Volatile Organic Compound), UV controlled, modified elastomer. **RibbonFlo 95** offers superior performance in conveyor roller lagging and as a rapid curing protective coating system. **RibbonFlo 95** displays quick cure times and offers excellent adhesion to properly prepared steel and concrete surfaces. **RibbonFlo 95** requires no catalysts thereby greatly reducing moisture sensitivity. When used as a coating system, **RibbonFlo 95** can be applied at temperatures ranging from 25°F to 155°F. This unique polyurea elastomer system offers excellent UV characteristics and is suitable for either interior or exterior use.

PRIMARY APPLICATIONS:

- CONVEYOR ROLLER LAGGING
- FAST TRACK PROTOTYPING
- LOW PRESSURE SPRAYING ON PIPE
- GEOTEXTILE FABRIC COATING FOR POND LINING
- VERTICAL WALL APPLICATIONS

APPLICATION EQUIPMENT:

RibbonFlo 95 is developed for use with low pressure, plural component pump systems. This 1:1 ratio material can also be sprayed at low pressure using a special halo, air atomization attachment for static mixing wands. **See manufacturer for details on pump systems and accessories.**

SPECIAL APPLICATIONS:

RibbonFlo 95 can 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 makeup, **RibbonFlo 95** performs well in applications subjected to intermittent high temperatures and temperatures down to -40°F. Depending on the gel time, **RibbonFlo 95** can be applied to vertical or horizontal surfaces by low-pressure spray. **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:

RibbonFlo95 adheres extremely well to properly prepared metal and concrete surfaces. Prior to lagging or 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 of **RibbonFlo 95**. Where excellent adhesion is required, it is recommended that all metal or concrete surfaces be primed before applying **RibbonFlo 95**. **Contact manufacturer for recommended primer and details on pump systems and accessories.**

PHYSICAL PROPERTIES (1:1 BY VOL.):

TENSIL STRENGTH, PSI	ASTM D412	3856
ELONGATION, %	ASTM D412	506
100% MODULUS	ASTM D412	1043
200%	ASTM D412	1448
300%	ASTM D412	1970
DIE "C" TEAR STRENGTH, PLI	ASTM D624	336
HARDNESS, SHORE A	ASTM D2240	96
HARDNESS, SHORE D	ASTM D2240	44
VISCOSITY A-SIDE (75°F)	CPS	2500
VISCOSITY B-SIDE (75°F)	CPS	800

TYPICAL PROCESSING PROPERTIES:

GEL TIME (ADJUSTABLE)	SECONDS	8
TACK FREE TIME	SECONDS	20
MACHINEABLE	MINUTES	25
VOLUME RATIO	(A:B)	1:1

APPLICATION NOTES:

RibbonFlo 95 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 40 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:

RibbonFlo 95 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:

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 **RibbonFlo 95** 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:

RibbonFlo 95 is available in 5 gallon pails, 55-gallon drums or 275 gallon totes. **(Upon request RibbonFlo 95 can be packaged in 750 x 750 ml cartridge packs.)**

SHIPPING INFORMATION:

RibbonFlo 95 can be shipped via most commercial truck lines. The shipping class is "55". The "A" and "B" sides are unregulated.

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

Chemical	Result (25°C)
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. **RibbonFlo 95** 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.