



Royston®

Technical Data Sheet

DESCRIPTION

Royston Greenline is a 35 mil, cold applied butyl based coating designed to provide protection against corrosion and electrolysis on below grade metal substrates. With a strong, flexible film backing Royston Greenline provides a protective coating with high adhesion and durability that conforms well to irregular shapes.

Royston Greenline "Regular" is produced with an extended adhesive edge on one side. This unique design allows for superior layer to layer bonding when applied spirally to a pipe. Royston Greenline "Special" does not have the extended adhesive edge. Royston Greenline requires the use of a primer before application.

RECOMMENDED USE

The strong, flexible backing makes it a good coating for hand and machine wrapping. It is an appropriate for coating and reconditioning small to moderate diameter pipes, bends, tees and metal structures, as a single component coating below grade.

SUBSTRATE COMPATIBILITY

Steel, Stainless Steel, Ductile Iron, other metals, FBE, PE

SURFACE PREPARATION

SSPC SP-2 Hand Tool Cleaning, SSPC SP-3 Power Tool Cleaning or SSPC SP-6/NACE No. 3 Commercial Blast Cleaning

PRIMER

Royston Greenline requires a primer to allow for permanent adhesion. A 4 mil WFT of Royston Roybond 747 or Roybond 747 Aerosol should be applied and allowed to dry prior to application of the Greenline. When use of a primer is not preferred or allowed, TR Green should be considered.

REFERENCE

Royston Greenline meets all of the performance criteria listed in the most recent revisions of:

- NACE SP0109 (Cold-Applied Laminate Polymeric Tapes)
- ANSI/AWWA C209 (Type II)

SAFETY

Refer to Material Safety Data Sheet: MSDS-GREENLINE

APPLICATION

Refer to Application Guidelines: AG-COLD-APPLIED-BUTYL-TAPE

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Chase Corporation
 295 University Avenue
 Westwood, MA 02090

Phone: 800-323-4182
 Fax: 781-332-0701
www.chasecorp.com

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Typical Technical Data

Property	US Customary	Metric	Test Method
Total Thickness	35 mils	0.89 mm	ASTM D1000
Backing Thickness	6 mils	0.15 mm	ASTM D1000
Adhesive Thickness	29 mils	0.74 mm	ASTM D1000
Cathodic Disbondment, 30 days	<0.3 in ²	<5 mm radial	ASTM G8
Adhesion to Primed Steel	10 lbf/in	1.75 N/mm	ASTM D1000
Tensile Strength	14 lbf/in	2.45 N/mm	ASTM D1000
Elongation	800%	800%	ASTM D1000
Dielectric Strength	Exceeds 12 kV	Exceeds 12 kV	ASTM D149
Holiday Detection Setting	7400 V	7400 V	NACE RP0274
Impact Resistance	20 in lb (double wrap)	2.3 J (double wrap)	ASTM G14
Water Vapor Transmission Rate @100°F (38°C)	<0.05 g/(24h*100 in ²)	<0.20 g/(h*m ²)	ASTM E96 Procedure B
Water Absorption	<0.2%	<0.2%	ASTM D570
Leachable Chlorides	None	None	
Service Temperature Range	-40°F to +165°F	-40°C to +74°C	

ORDERING INFORMATION

Roll Size	Rolls Per Case
2" x 50'	24
4" x 50'	12
6" x 50'	8
12" x 50'	4

CASE PACKAGING
2.0 SQ (200 ft²) per case
Case Weight: 60 lbs