



Royston®

Technical Data Sheet

DESCRIPTION

Royston R28 Rubberized Mastic is a thixotropic, brush or spray applied asphalt coating for below grade applications. R28 is a time proven coating technology for providing corrosion protection to metal fittings, flanges, valves, tanks, mechanical couplings, anode connections and other difficult and irregular configurations.

R28 easy to apply by brush or rubber glove and can also be sprayed. Due to its thixotropic nature it resists drips and sags during application, but will become more flowable the more it is mixed. The R28 can also be sprayed via air or airless sprayers. The R28 may need to be thinned for spray applications below 60°F.

R28 is available with its standard formulation or as a Zero VOC Mastic. The Zero VOC version uses a VOC exempt solvent to obtain its 0 g/L VOC rating.

RECOMMENDED USE

Appropriate for coating fittings, flanges, valves, tanks, mechanical couplings, anode connections and other difficult and irregular configurations.

SUBSTRATE COMPATIBILITY

Steel, Stainless Steel, Ductile Iron, other metals, FBE, CTE, Asphalt, Concrete

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

None needed

OPTIONAL REINFORCEMENT

Royston Glas-Wrap can be applied over the mastic or between mastic layers, giving the coating added strength and impact resistance.

SAFETY

Refer to Material Safety Data Sheet: MSDS-R28, MSDS-R28-ZERO-VOC

APPLICATION

Apply in two or three coats that each have a WFT of 20 mils. Allow the first coat to dry to the touch before application of the second coat, about 30 minutes. Never apply more than 40 mils in a single coat to prevent mud cracking.

R28 is usually sufficiently dry after 1 1/2 hours for light handling and backfilling. Low temperature or high humidity conditions will lengthen the dry time.

Refer to Application Guideline: AG-MASTICS for detailed more information.

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Typical Technical Data

Property	R28	R28 Zero VOC	Test Method
Color	Black	Black	
Percent Solids, Volume	62%	72%	ASTM D2697
Percent Solids, Weight	73%	69%	ASTM D2369
Solvents	Toluene	PCBTF	
VOC Content	<330 g/l (2.75 lb/gal)	0 g/l (0 lb/gal)	
Flash Point	45° F (7° C)	108° F (42° C)	ASTM D327 (Closed Cup)
Water Absorption	<0.5%	<0.5%	ASTM D570
Water Vapor Transmission Rate	<0.5 g/(h*m ²)	<0.5 g/(h*m ²)	ASTM E96 Procedure B
Holiday Detection Setting	2000V for 15 mil DFT	2000V for 15 mil DFT	NACE SP0188
Cathodic Disbondment, 30 days	<15 mm radial <1.1 in ²	<15 mm radial <1.1 in ²	ASTM G8
Service Temperature Range	-40° F to +250° F -40° C to +121° C	-40° F to +250° F -40° C to +121° C	

ORDERING INFORMATION

R28

Container Size	Containers Per Case	Weight
1 Gallon	4	43# per Case
5 Gallon	n/a	52# per Container

R28 Zero VOC

Container Size	Containers Per Case	Weight
1 Gallon	4	46# per Case
5 Gallon	n/a	56# per Container