



Royston[®] Tapecoat[®]

Technical Data Sheet

DESCRIPTION

Royston A51 and Tapecoat TC Mastic are thixotropic, brush applied coal tar coatings for below grade applications. 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. They are also designed to protect concrete surfaces from adverse environments.

A51 and TC Mastic are easy to apply by brush or rubber glove. Due to their thixotropic nature they resist drips and sags during application, but will become more flowable the more they are brushed. The A51 and TC Mastic can also be sprayed via air or airless sprayers. The A51 and TC Mastic may need to be thinned for spray applications below 60°F, contact a Chase Representative for more details.

RECOMMENDED USE

Appropriate for coating fittings, flanges, valves, tanks, mechanical couplings, anode connections and other difficult and irregular configurations. Their resistance to gasoline and oil make A51 and TC Mastic a good choice for service stations, terminals, bulk stations, producing fields and similar locations.

SUBSTRATE COMPATIBILITY

Steel, Stainless Steel, Ductile Iron, Other Metals, FBE, CTE, 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-A51, MSDS-A51-LOW-VOC or MSDS-TC-MASTIC

APPLICATION

Apply in two coats that each have a WFT of 15 mils. Allow the first coat to dry to the touch before application of the second coat. Never apply more than 30 mils in a single coat to prevent mud cracking.

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

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Typical Technical Data

Property	A51 Plus	TC Mastic A51 Low VOC	Test Method
Color	Black	Black	
Percent Solids, Volume	53%	53%	ASTM D2697
Percent Solids, Weight	64%	64%	ASTM D2369
Solvents	Toluene, MEK	PCBTF, Toluene, MEK	
VOC Content	<420 g/l (3.51 lb/gal)	<327 g/l (2.73 lb/gal)	
Flash Point	25° F (-4° C)	25° F (-4° 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	4800V for 15 mil DFT	4800V for 15 mil DFT	NACE RP0274
Cathodic Disbondment, 30 days	<10 mm radial <0.7 in ²	<10 mm radial <0.7 in ²	ASTM G8
Service Temperature Range	-40° F to +150° F -40° C to +66° C	-40° F to +150° F -40° C to +66° C	

ORDERING INFORMATION

A51 Plus

Container Size	Containers Per Case	Weight
1 Gallon	4	45# per Case
5 Gallon	n/a	55# per Container

TC Mastic/A51 Low VOC

Container Size	Containers Per Case	Weight
1 Gallon	4	45# per Case