Tapecoat®

Technical Data Sheet

DESCRIPTION

TC 20 is a 58 mil hot applied, below grade coal tar tape coating designed to provide superior soil stress resistance on pipelines with service temperatures up to 120°F (49°C). Since 1941 this coating has provided protection against corrosion and electrolysis on metal substrates. TC 20 is a tough, abrasion and impact resistant coating that can to be used for small diameter directional boring.

TC 20 can be applied at temperatures as low as 0°F. TC 20 must be applied using wide mouth propane torch to preheat the pipe and the tape as it is being applied. TC 20 requires the use of a primer prior to application.

RECOMMENDED USE

Appropriate for coating new construction, reconditioning, coating girth-welds, bends, tees and fittings. Effective mainline or girth weld coating for directional boring of small diameter pipes. Its resistance to gasoline and oil makes TC 20 a good choice for service stations, terminals, bulk stations, producing fields and similar locations.

SUBSTRATE COMPATIBILITY

Steel, Stainless Steel, Ductile Iron, Other Metals, FBE, PE, CTE

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

TC 20 requires a primer to allow for permanent adhesion. A 4 mil WFT of Tapecoat Omniprime should be applied and allowed to dry prior to application of the tape.

REFERENCE

TC 20 meets all of the performance criteria listed in the most recent revisions of:

ANSI/AWWA C203

NACE SP0109 (Hot Applied Tapes)

Federal Specification HHT-30

SAFETY

Refer to Safety Data Sheet: SDS-TC20

APPLICATION

Refer to Application Guidelines: AG-TC20

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Typical Technical Data

Property	US Customary	Metric	Test Method
Total Thickness	58 mils	1.47 mm	ASTM D1000
Cathodic Disbondment, 30days	<0.4 in^2	<10 mm radial	ASTM G8
Adhesion to Primed Steel	9 lbf/in	1.6 N/mm	ASTM D1000
Tensile Strength	65 lbf/in	11.4 N/mm	ASTM D1000
Dielectric Strength	Exceeds 12 kV	Exceeds 12 kV	ASTM D149
Holiday Detection Setting	9,500 V	9,500 V	NACE RP0274
Impact Resistance	40 in lb	4.5 J	ASTM G14
Water Vapor Transmission Rate	<0.1 g/(24h*100 in^2)	<0.5 g/(h*m^2)	ASTM E96 Procedure B
Water Absorption	<1%	<1%	ASTM D570
Leachable Chlorides	None	None	
Service Temperature Range	-20°F to 120°F	-29°C to +49°C	

ORDERING INFORMATION

Roll Size	Rolls Per Case
2” x 75’	12
3” x 75’	8
4” x 75’	6
6” x 75’	4
12” x 75’	2

CASE PACKAGING
1.5 SQ (150 ft^2) per case
Case Weight: 70 lbs