



# Tapecoat<sup>®</sup>

## 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 Material Safety Data Sheet: MSDS-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 <sup>2</sup>	<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 <sup>2</sup> )	<0.5 g/(h*m <sup>2</sup> )	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<sup>2</sup>) per case

Case Weight: 70 lbs