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6025HT

Cold Applied Tapes

Butyl Adhesive

Tapecoat®

Technical Data Sheet

DESCRIPTION

The Tapecoat 6025HT (High Temperature) tape is a 30 mil, UV resistant, cold applied butyl based coating designed to provide protection against corrosion on pipelines with service temperatures up to 250°F (121°C). This tape is appropriate for use above or below grade and in various soil conditions.

A minimum 50% overlap of 6025HT is required to achieve the desired long term performance on high temperature pipelines. Tapecoat 6025HT requires the use of a primer prior to application.

RECOMMENDED USE

Appropriate for coating and reconditioning of small to moderate diameter pipes, bends, tees and metal structures as a single component coating above or below grade.

SUBSTRATE COMPATIBILITY

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

SURFACE PREPARATION

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

When using Tapecoat 7000: 2.5—4 mil anchor profile; cleaning per SSPC SP-10/ NACE No. 2 Near White Blast

OPTIONAL PRIMER

Tapecoat 6025HT requires a primer to allow for permanent adhesion. A 4 mil wet film thickness (WFT) of Tapecoat Omniprime should be applied and allowed to dry prior to application of the tape. For applications where the service temperature is expected to be above 180°F (82°C), a 6-10 mil thickness of Tapecoat 7000 Epoxy must be used as the primer. The tape should be applied to the epoxy once the epoxy is dry to the touch, but before it is fully cured. See the application guideline for more details.

REFERENCE

Tapecoat 6025HT 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-TC-HIGH-TEMP

APPLICATION

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

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Typical Technical Data

Property	US Customary	Metric	Test Method
Total Thickness	30 mils	0.76 mm	ASTM D1000
Backing Thickness	14 mils	0.36 mm	ASTM D1000
Adhesive Thickness	16 mils	0.41 mm	ASTM D1000
Cathodic Disbondment, 180˚F (82˚C), 30 days, Omniprime	<0.4 in^2	<10 mm radial	ASTM G42
Cathodic Disbondment, 250˚F (121˚C), 30 days, Tapecoat 7000	<0.4 in^2	<10 mm radial	ASTM G42 (modified for internal heating)
Adhesion to Primed Steel	15 lb/in	2.64 N/mm	ASTM D1000
Tensile Strength	30 lb/in	5.25 N/mm	ASTM D1000
Elongation	500%	500%	ASTM D1000
Dielectric Strength	Exceeds 12 kV	Exceeds 12 kV	ASTM D149
Holiday Detection Setting	9700 V (50% overlap)	9700 V (50% overlap)	NACE RP0274
Impact Resistance	35 in lb (50% overlap)	4.0 J (50% overlap)	ASTM G14
Water Vapor Transmission Rate @100˚F (38˚C)	<0.01 g/(24h*100 in^2)	<0.005 g/(h*m^2)	ASTM E96 Method B
Water Absorption	<0.5%	<0.5%	ASTM D570
Leachable Chlorides	None	None	
Service Temperature Range With Omniprime With Tapecoat 7000	 -20˚F to +180˚F -20˚F to +250˚F	 -29˚C to +82˚C -29˚C to +121˚C	

ORDERING INFORMATION

6025HT

Roll Size	Rolls Per Case
2” x 100’	12
4” x 100’	6
6” x 100’	4

CASE PACKAGING
2.0 SQ (200 ft^2) per case
Case Weight: 41 lbs