



PRODUCT DATA

**TAPECOAT
M50 GRAY**
RESISTANT TO SOIL STRESS

Mesh Fiber Cold Applied Tape
With Integrated Primer
Below Grade Use

PRODUCT DESCRIPTION

TAPECOAT M50 GRAY - a 50 mil cold applied coating for ambient temperature below grade application. This coating is designed to provide protection against corrosion and electrolysis on metal substrates exposed to soil stress.

M50 Gray has a polypropylene mesh fiber backing. The mesh backing allows the coating to conform well to the pipe surface but does not stretch or elongate which gives the M50 its exceptional strength against soil stress.

M50 Gray has Integrated Primer; the primer is in the adhesive. This exclusive formulation eliminates the environmental and safety concerns of liquid primer and makes clean up fast and easy. Integrated Primer makes the use of a liquid primer totally optional.

M50 Gray is especially well suited for reconditioning field coated pipe, coating fabrication, and coating pipe in areas with high soil stress conditions.

Additional Information and Technical Data available from:

www.Tapecoat.com
customerservice@Tapecoat.com

COMPOSITION

BACKING: 10 mil Gray polypropylene mesh fiber backing.

ADHESIVE: 40 mils of highly aggressive synthetic elastomeric adhesive with integrated primer. The primer is in the adhesive.

RELEASE LINER: This 2.5 mils polymer film release liner prevents contamination of the adhesive prior to use and keeps the adhesive from prematurely bonding to the tape backing while in the roll.

The roll is wound with adhesive side out.

SURFACE PREPARATION

Prior to coating application the surface should be clean, dry, free of dust, oil, grease rust, scale, sharp points and burrs.

APPLICATION

TAPE: Apply with tension removing the release liner as the tape is being applied. Minimum recommended overlap 50 per cent. M50 Gray can be applied by hand or with a tape wrap machine.

LIQUID PRIMER (Optional) - A thin (minimum 4 mil) coat of TC OMNIPRIME may be applied to the pipe surface and allowed to dry to touch or completely dry before applying the pipe wrap.

(Refer to coating specifications for more detailed application instructions.)

REFERENCE Standards and Practices:
NACE: SP0109-2009 Field Application of Bonded Tape Coatings for External Repair, Rehabilitation, and Weld Joints on Buried Metal Pipelines

ANSI/AWWA C209-06
Cold-Applied Tape Coatings for the Exterior of Special Sections, Connections, and Fittings for Steel Water Pipelines

rck0810

CHASE TAPECOAT

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TAPECOAT M50 GRAY PIPE WRAP

TECHNICAL DATA

Description	
Color	Gray
Bonding System	Pressure Sensitive
Backing	Woven Polypropylene
Adhesive w/ Integrated Primer	Elastomeric

Property	Result (English)	Result (Metric)	Test Method
Cathodic Disbondment	< 0.3 in ²	< 5 mm radius	ASTM G 8
Adhesion to Primed Steel	12.5 lb/in width	2.2 kg/cm width	ASTM D 1000
Adhesion to Backing	8 lb/in width	1.4 kg/cm width	
Tensile Strength	75 lb/in width	13.38 kg/cm width	
Elongation	40%	40%	
Thickness (Total)	50 mils	1.27 mm	
- Backing	15 mils	.38 mm	
- Adhesive	35 mils	.89 mm	
Dielectric Strength	> 12 KV	> 12 KV	
Pliability	No Cracks		ASTM D 146
Holiday Detection	7,000 volts	7,000 volts	NACE RD 02 74
Impact Resistance	14.4 in lb	16.6 kg cm	ASTM G 14
Puncture Resistance	200 lbs	890 N	ASTM D1000
Fungal Resistance	Observed Growth: None		ASTM G 21
Bacteria Resistance	Observed Growth: None		ASTM G 22
Water Vapor Transmission	.01 g/100in ² /24 hr @ 100°F	.01g/645cm ² /24 hr @ 37.77°C	ASTM E 96 B
Water Penetration	Pass		ASTM G 9
Water Absorption	0.5%	0.5%	ASTM D 570
Leachable Chlorides	None	None	
Service Temperature Range	-20°F / +140°F	29°C / +60°C	

CASE PACKAGING

Coating Material 100 Square Feet per Case
Case Weight 35 LBS

SKU#	Roll Size	Rolls Per Case
256027G	2" X 50'	12
256047G	4" X 50'	6
256067G	6" X 50'	4

MADE IN USA 

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