CHASE Construction Products

We make a material difference

H35, H50

Cold Applied Tapes

Elastomeric Adhesive

Tapecoat®

Technical Data Sheet

DESCRIPTION

Tapecoat H35 and H50 are UV resistant, cold applied coatings designed to provide protection against corrosion and electrolysis on metal substrates. These coatings are appropriate for use above or below grade and in various soil conditions.

Tapecoat H35 and H50 have an integrated primer; the primer is in the adhesive. This exclusive formulation allows for faster application as there is no need to apply a separate primer when application temperatures are above 40°F. The Tapecoat H35 and H50 coating system is VOC free when applied without a primer. When used with Tapecoat Omniprime® the coating system will meet even the strictest environmental laws.

RECOMMENDED USE

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

SUBSTRATE COMPATIBILITY

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

SURFACE PREPARATION

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

OPTIONAL PRIMER

Tapecoat H35 and H50 have an integrated primer to allow for quick, easy and permanent adhesion. When required by the job specification or when application temperatures are below 40°F, a 4 mil WFT of Tapecoat Omniprime may be applied to the pipe surface to ensure the required bond.

REFERENCE

Tapecoat H35 and H50 meet 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-GRAY

APPLICATION

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

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Chase Corporation
295 University Avenue
Westwood, MA 02090

Phone: 800-323-4182
Fax: 781-332-0701
www.chasecorp.com

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Typical Technical Data

Property	US Customary	Metric	Test Method
Total Thickness	35 mils (H35) 50 mils (H50)	0.89 mm (H35) 1.27 mm (H50)	ASTM D1000
Backing Thickness	8 mils (H35) 14 mils (H50)	0.20 mm (H35) 0.36 mm (H50)	ASTM D1000
Adhesive Thickness	27 mils (H35) 36 mils (H50)	0.69 mm (H35) 0.91 mm (H50)	ASTM D1000
Cathodic Disbondment, 30 days	<0.4 in^2 (No Primer)	<10 mm radial (No Primer)	ASTM G8
Adhesion to Primed Steel	15 lb/in	2.63 N/mm	ASTM D1000
Tensile Strength	30 lb/in (H35) 50 lb/in (H50)	5.25 N/mm (H35) 8.75 N/mm (H50)	ASTM D1000
Elongation	650% (H35) 700% (H50)	650% (H35) 700% (H50)	ASTM D1000
Dielectric Strength	Exceeds 12 kV	Exceeds 12 kV	ASTM D149
Holiday Detection Setting	7400 V (H35) 8800 V (H50)	7400 V (H35) 8800 V (H50)	NACE RP0274
Impact Resistance	40 in lb (H35 double wrap) 34 in lb (H50 single wrap)	4.6 J (H35 double wrap) 3.8 J (H50 single wrap)	ASTM G14
Water Vapor Transmission Rate @100°F (38°C)	<0.005 g/(24h*100 in^2)	<0.003 g/(h*m^2)	ASTM E96 Method B
Water Absorption	<0.5%	<0.5%	ASTM D570
Leachable Chlorides	None	None	
Service Temperature Range	-20°F to +140°F	-29°C to +60°C	

The standard backing color is gray, but black and white are also available upon request.

ORDERING INFORMATION

H35

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

CASE PACKAGING
1.5 SQ (150 ft^2) per case
Case Weight: 36 lbs

H50

Roll Size	Rolls Per Case
2” x 50’	12
4” x 50’	6
6” x 50’	4

CASE PACKAGING
1 SQ (100 ft^2) per case
Case Weight: 31 LBS