



H-35 and H-50 for Geosynthetic Material

H-35 and H-50 are heavy-duty versions of our popular G-25 tape. They both feature the same tough U.V. resistant MAF® backing, combined with our aggressive synthetic Elastomeric adhesive. Both have much thicker layer of adhesive for rough surfaces such as concrete. H-50 also has a thicker MAF® backing for heavy-duty uses requiring extra strength and more puncture/abrasion resistance. Even the heavy duty tape provides elasticity required to compensate for thermal expansion and contraction. Both have an integrated primer incorporated into 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.

TapeCoat® G-25, TapeCoat® H-35, and TapeCoat® H-50 are all designed for long term above and below ground use, providing many years of service, even in direct sunlight. It may be applied over a wide range of ambient temperatures. It will adhere to Polyethylene, Polypropylene, Hypalon, EPDM, Rubber, PVC, Steel, Aluminum, Fiberglass, Concrete, and many more materials.

Composition: Tapecoat® H-35 and H-50 are composed of a tough, specially formulated multipolymer alloy film, MAF® with a Synthetic Elastomeric Adhesive. The adhesive is kept permanently bonded to its backing (while in roll form) by a tough, easily removed polymer release liner. The release liner prevents contamination of the adhesive prior to its use.

Property	US Customary	Metric	Test Method
Total Thickness	50 mils	1.27 mm	ASTM D1000
Backing Thickness	10 mils	0.25 mm	ASTM D1000
Adhesive Thickness	40 mils	1.02 mm	ASTM D1000
Cathodic Disbondment, 30 days	<0.4 in ² (No Primer)	<10 mm radial (No Primer)	ASTM G8
Adhesion to Printed Steel	12.5 lbf/in	2.20 N/mm	ASTM D1000
Adhesion to Backing (Self)	8 lbf/in	1.41 N/mm	ASTM D1000
Tensile Strength	75 lbf/in	13.1 N/mm	ASTM D1000
Elongation	10%	10%	ASTM D1000
Dielectric Strength	Exceeds 12 kV	Exceeds 12 kV	ASTM D149
Holiday Detection Setting	8800 V	8800 V	NACE RP0274
Impact Resistance	14 in lb	1.6 J	ASTM G14
Puncture Resistance	200 lbf	890 N	ASTM D1000
Water Vapor Transmission Rate	<0.01 g/(24h*100 in ²)	<0.05 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	

Technical Data:

Color: Black or Gray
 Weight per case: 32 LBS for 50' rolls
 Shelf Life: Rotate stock yearly
 Peel Adhesion: 20 # / inch width
 Low temperature flex: Excellent
 Thickness: H-35-35 mils
 Thickness: H-50-50 ± 2 mils
 Tests: ASTM D-522, G-22, D1000

Surface Preparation:

Moisture, dust, rust, aquatic growth, oil, wax, silicone, and any foreign substance that may interfere with adhesion should be removed with a suitable detergent, rinsed thoroughly and dried. We do not recommend the use of Solvents as they may leave a residue that can impede adhesion.

Tape Application: Tapecoat® H-35 and H50 Tape is applied by removing the release liner and pressing the adhesive to the clean surface.

PACKAGING: H-50

4"x 50' @ 6 rolls per case
 6"x 50' @ 4 rolls per case

PACKAGING H-35

4"x 75' @ 6 rolls per case
 6"x 75' @ 4 rolls per case

Priming: Priming is not normally required, but under conditions of extreme cold Tapecoat® Omniprime® is recommended. This will greatly increase adhesion on most materials. Not recommended on P.V.C.