



# TITUS INDUSTRIAL GROUP INC

## INFRASTRUCTURE SOLUTIONS MADE EASY



### H-35 and H-50 for Geosynthetics 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 has in addition a thicker MAF® backing for heavy-duty use when extra strength is required along with more puncture, and abrasion resistance, while providing the elasticity required to compensate for thermal expansion and contraction. TC G-25, TC H-35, and TC H-50 are all designed for long term above and below ground use, and will give many years of service even in direct sunlight. It may be applied over a wide range of ambient temperatures, and 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.

**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 of P.V.C.)

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### Technical Data

<b><u>System Description</u></b>	
<u>Bonding System</u>	<u>Pressure Sensitive</u>
<u>Backing</u>	<u>Multipolymer Alloy Film</u>
<u>Adhesive</u>	<u>Elastomeric</u>

<b><u>Property</u></b>	<b><u>English</u></b>	<b><u>Metric</u></b>	<b><u>Test Method</u></b>
<u>Cathodic Disbondment</u>	<0.12 in <sup>2</sup> (30 days)	<3.1 mm radius (30 days)	<u>ASTM G 8</u>
	<.42 in <sup>2</sup> (60 days)	<12.7 mm radius (60 days)	
<u>Adhesion to Primed Steel</u>	<u>144oz/in width</u>	<u>1.58 N/mm</u>	<u>ASTM D 1000</u>
<u>Tensile Strength</u>	<u>30 lbs/in width</u>	<u>5.25 N/mm</u>	
<u>Elongation</u>	<u>650%</u>	<u>650%</u>	
<u>Dielectric Strength</u>	<u>Exceeds 12 kV</u>	<u>Exceeds 12 kV</u>	
<u>Thickness</u>			
<u>Backing</u>	<u>8 mils</u>	<u>0.20 mm</u>	
<u>Adhesive</u>	<u>27 mils</u>	<u>0.69 mm</u>	

<u>Conformability</u>	<u>Yes</u>	<u>@ 22°C</u>	<u>@ 72°F</u>
	<u>Yes</u>	<u>@ 10°C</u>	<u>@ 50°F</u>
	<u>Yes</u>	<u>@ -18°C</u>	<u>@ 0°F</u>

<u>Impact Resistance</u>	<u>20 in lb (double wrap)</u>	<u>2.26 N-m (J) (double wrap)</u>	<u>ASTM G 14</u>
<u>Water Vapor Transmission</u>	<u>-005 g/100in<sup>2</sup>/24 hr @ 100°F</u>	<u>.005 g/645cm<sup>2</sup>/24 hr @37.77°C</u>	<u>ASTM E 96 B</u>
<u>Water Absorption</u>	<u>0.5%</u>	<u>0.5%</u>	<u>ASTM D 570</u>
<u>Leachable Chlorides</u>	<u>None</u>	<u>None</u>	

Listed values are typical and not to be considered as maximum or minimum.

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