M-50-RC for Geosynthetic Material

Basic Use:
Tapecoat® RC-50 Black & M-50-RC Gray have been designed for heavy-duty applications. They have an abrasion resistant, Polypropylene, mesh backing that has minimal stretch, and will resist soil stress while remaining very flexible. They feature an extra thick layer of Tapecoat® synthetic elastomeric adhesive for rough surfaces such as found on many Geotextiles, textured H.D.P.E., Concrete, and Asphalt. The adhesive provides an air, vapor, and water tight seal on many surfaces, including vinyl tarps, polyethylene liners, steel, aluminum, fiberglass, and many more. It can be used for reinforcing tarps at contact points, patching holes, leak repair, seaming, corrosion control, and sealing cracks in asphalt or concrete.

RC-50 & M-50-RC ARE NOT UV PROTECED and will have a limited service life if exposed to the sun. For long term UV exposure use Tapecoat® G-25, H-35, H-50 or Aluminum Tape.

Composition:
Tapecoat® RC-50 & M-50-RC Reinforcing Tape is a preformed, cold -applied, self-adhering material that is impermeable to water and salt. The adhesive is manufactured with a specially formulated synthetic elastomeric resins bonded to a woven, highly puncture resistant, polymer. 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.

Surface Preparation:
Surface must be clean and dry. 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® RC50 & M-50-RC Reinforcing Tape is applied by removing the release liner and pressing the adhesive to clean surface.

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

Typical Technical Data

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 in² (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 in²)	<0.05 g/(h*m²)	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	

Packaging:
2" x 50' x 12 Rolls per Case
4" x 50' x 6 Rolls per Case
6" x 50' x 4 Rolls per Case
Case weight 35 lbs.