



# TITUS INDUSTRIAL GROUP INC

## INFRASTRUCTURE SOLUTIONS MADE EASY



### **M-50-RC GRAY OR BLACK GEOSYNTHETIC TAPE**

#### **Basic Use:**

Tapecoat® RC50 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. RC50 & M-50-RC ARE NOT UV PROTECTED 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® RC50 & 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 it's 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.)

2" x 50' x 12 Rolls per Case

4" x 50' x 6 Rolls per Case

6" x 50' x 4 Rolls per Case

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## System Description

|                    |                               |
|--------------------|-------------------------------|
| Bonding System     | Pressure Sensitive            |
| Backing            | Multipolymer Alloy Film (MAF) |
| Adhesive           | Elastomeric                   |
| Integrated Primer+ |                               |

| Property                 | English                         | Metric                    | Test Method |
|--------------------------|---------------------------------|---------------------------|-------------|
| Cathodic Disbondment     | <0.13 in <sup>2</sup> (30 days) | <3.25 mm radius (30 days) | ASTM G 8    |
| Adhesion to Primed Steel | 200oz/in width                  | 2.19 N/mm                 | ASTM D 1000 |
| Tensile Strength         | 50 lbs/in width                 | 8.75 N/mm                 |             |
| Elongation               | 700%                            | 700%                      |             |
| Dielectric Strength      | Exceeds 12 kV                   | Exceeds 12 kV             |             |
| Thickness                |                                 |                           |             |
| Backing                  | 14 mils                         | 0.36 mm                   |             |
| Adhesive                 | 36 mils                         | 0.91 mm                   |             |

|                |     |         |        |
|----------------|-----|---------|--------|
| Conformability | Yes | @ 22°C  | @ 72°F |
|                | Yes | @ 10°C  | @ 50°F |
|                | Yes | @ -18°C | @ 0°F  |

|                          |  |   |             |
|--------------------------|--|---|-------------|
| Impact Resistance        | 34 in lb (single wrap)                   | 3.84 N-m (J) (single wrap)                | ASTM G 14   |
| Water Vapor Transmission | -005 g/100in <sup>2</sup> /24 hr @ 100°F | .005 g/645cm <sup>2</sup> /24 hr @37.77°C | ASTM E 96 B |
| Leachable Chlorides      | None                                     | None                                      |             |

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

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