RhinoMat’® 500 Applications:

**Containment:**
- Agriculture & Aquaculture
- Waste Water Lagoons
- Landfill Covers
- Secondary Containment

RhinoMat’® 500 conforms to the properties below, and is manufactured at an Owens Corning facility having achieved ISO 9001:2000 certification. Owens Corning tests RhinoMat’® 500 both through independent, third-party laboratories, and through internal quality control testing in laboratories accredited through the Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAI-LAP).

**PROPERTY** | **TEST/METHOD** | **TYPICAL VALUE** | **MIN AVE. ROLL VALUE**
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| **Weight** | ASTM D6981 | 12 oz/yr² | 17 oz/yr² |
| **Thickness** | ASTM D1555 | 0.64 mm | 0.64 mm |
| **Strip Tensile Strength (MD)** | ASTM D3039 | 1196 N | 1196 N |
| **Strip Tensile Strength (CD)** | ASTM D3039 | 1196 N | 1196 N |
| **Strip Tensile Elongation (MD)** | ASTM D3039 | 22% | 22% |
| **Strip Tensile Elongation (CD)** | ASTM D3039 | 22% | 22% |
| **Tongue Tear (MD)** | ASTM D5884 | 249 N | 249 N |
| **Tongue Tear (CD)** | ASTM D5884 | 249 N | 249 N |
| **Hydraulic Head Resistance** | ASTM D751 | 1117 kPa | 1117 kPa |
| **Dimensional Stability** | ASTM E1584 | 0.006% | 0.006% |

Notes:
- Typical values represent an average test result for the sample size, with ± 10% variance.
- Minimum Average Roll Values (MARV) are shown (unless otherwise noted), in accordance with GRI-GM30.
- Dimensional Stability and Water Vapor Transmission values shown are maximum test result values.
- Test samples were exposed to UV radiation using this method prior to evaluating changes in material properties.
- Test values reflect single-track weld edge melting at approximately 750°F and 14 ft/sec.
- Carbon Black Content is 2%.

This publication should not be construed as engineering advice. While information contained in this publication is accurate to the best of our knowledge, Owens Corning does not warrant its accuracy or completeness. The user of the products shall assume sole responsibility for the final determination of the suitability of the information and the products for the contemplated and actual use. Owens Corning specifically disclaims all warranties, express or implied, including without limitation, warranties of merchantability or fitness for a particular purpose, or arising from prior knowledge, Owens Corning tests RhinoMat’® 500 both through independent, third-party laboratories, and through internal quality control testing in laboratories accredited through the Geosynthetic Accreditation Institute - Laboratory Accreditation Program (GAI-LAP).
RhinoMat® 500 is a 24 mil (0.61 mm) geomembrane specifically designed for use in water retention and containment applications to **Weld Easier. Install Faster. Contain Better.** For applications where containment is critical, the durable, stress crack resistant, lightweight construction of RhinoMat geomembrane provides maximum performance in all climates and environmental conditions.

**RhinoMat® 500 is a Smart Choice**

**Features Strong Construction**
- A 24 mil (0.61 mm) geomembrane
- Inner woven core layer provides dimensional stability with impressive tensile and tear strength
- Puncture, abrasion and chemical resistant construction
- Outstanding hydrostatic resistance
- All layers contain UV protection

**Meets Industry Standards**
- GRI-GM30 Compliant – RhinoMat is the first portfolio of products to meet this standard
- Non-toxic, no PVC or other hazardous materials used in the construction of the geomembrane
- Impressive UV, ozone and oxidation resistance

**Provides Warranty Protection**
- 10-years buried, 5-years exposed

**WELD EASIER.**
- Made with SurFlex™ technology, a polyolefin blend surface film which allows for superior thermal fusion welding
- Designed for optimal welding temperature and speed to create exceptional seams
- Flexible construction enables efficient seaming of a wide variety of panel shapes and sizes
- Wide width flexible sheets facilitate factory fabrication to reduce field seaming time
- Factory fabricated seaming capability ensures higher quality welds which require fewer time-consuming destructive field tests
- Allows for large factory fabricated panels to be customized to accelerate project field installation

**INSTALL FASTER.**
- Factory fabricated seaming capability ensures higher quality welds which require fewer time-consuming destructive field tests
- Allows for large factory fabricated panels to be customized to accelerate project field installation

**CONTAIN BETTER.**
- High strength woven core and engineered coatings provide outstanding longevity and chemical resistance
- Meets or exceeds properties of Category 1 (Severe) of the GRI-GM30 specification from the Geosynthetic Institute (GSI)
- Hydrostatic, puncture, and abrasion resistance stands up to the toughest installation, maintenance and environmental stresses