ENGINEERED EARTH ARMORING SOLUTIONS
WORLD CLASS SUPPORT
Propex’s team of professional engineers offers full service support throughout the design process. Engineering Services will help create a unique design for your project, select the right solution, and support your installation efforts through onsite training.

Contact Engineering Services directly at: 423-553-2465 or GEOENGINEERING@PROPEXGLOBAL.COM.

TESTED. PROVEN. TRUSTED
Our patented products are manufactured in Ringgold, GA and shipped to customers in more than 85 countries across the globe. Encompassing more than 807,000 sq. ft. of manufacturing and distribution space, our plant boasts the industry’s largest geosynthetic capacity under one roof. This facility houses an onsite testing facility that is certified by the Geosynthetic Accreditation Institute/Laboratory Accreditation Program (GAI-LAP) and is ISO 9001 and 14001 certified.

X3® FIBER TECHNOLOGY
Our woven, three-dimension High Performance Turf Reinforcement Mat (HPTRM) is designed with patented X3® Fiber Technology. This technology is specially engineered for superior erosion control on steep slopes and waterways.

- Covers 40% more surface area than conventional fibers to capture the moisture, soil and water required for rapid vegetation growth
- Exhibits high tensile strength as well as superior interlock and reinforcement capacity with both soil and root systems
- Provides maximum ultraviolet protection for long-term design life
- Offers netless, durable construction that stands up to the toughest erosion applications where high loading and/or high survivability conditions are required
## Engineered Earth Armoring Solutions Product Guide

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<th>Applications</th>
<th>Material Composition</th>
<th>Anticipated Wildlife Impact</th>
<th>Anticipated Debris Loading</th>
<th>Required Design Life</th>
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<tbody>
<tr>
<td><strong>Severe</strong></td>
<td></td>
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<tr>
<td><strong>SCOURLOK</strong></td>
<td>Woven HPTRM, Nonwoven Geotextile &amp; Rigid Cell System</td>
<td>Deters Burrowing &amp; Entrapment</td>
<td>High</td>
<td>Up to 75 years</td>
</tr>
<tr>
<td><strong>PYRAMALL</strong></td>
<td>Woven HPTRM With Internal Bracing System</td>
<td>Deters Burrowing &amp; Entrapment</td>
<td>High</td>
<td>Up to 75 years</td>
</tr>
<tr>
<td><strong>ARMORMAX</strong></td>
<td>Anchored Woven HPTRM System</td>
<td>Deters Burrowing &amp; Entrapment</td>
<td>High</td>
<td>Up to 75 years</td>
</tr>
<tr>
<td><strong>PYRAMAT 75</strong></td>
<td>Woven HPTRM</td>
<td>Deters Burrowing &amp; Entrapment</td>
<td>High</td>
<td>Up to 75 years</td>
</tr>
<tr>
<td><strong>PYRAMAT 25</strong></td>
<td>Woven TRM</td>
<td>Deters Burrowing &amp; Entrapment</td>
<td>Moderate</td>
<td>Up to 25 years</td>
</tr>
<tr>
<td><strong>LANDLOK</strong></td>
<td>Stitch-Bonded TRM</td>
<td>Potential Entrapment</td>
<td>None</td>
<td>Up to 10 years</td>
</tr>
<tr>
<td><strong>Low Erosion Applications, Moderate Slopes, Swales, Low-Flow Channels</strong></td>
<td>Degradable</td>
<td>Potential Entrapment</td>
<td>None</td>
<td>Up to 3 years</td>
</tr>
</tbody>
</table>

Most products available in green or tan.

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Need help determining which solutions is right for your project? Try out EC Design, our web-based erosion control modeling application at [PropexGlobal.com/EC-Design](http://PropexGlobal.com/EC-Design). Contact our Engineering Services Team by phone 423-553-2465 or email GeoEngineering@PropexGlobal.com.
ENGINEERED ENVIRONMENTAL SOLUTIONS

Our erosion control products are more than a soft arming solution, they’re environmentally-friendly and maintain a low carbon footprint. In arid environments, vegetation can be minimal and take several years to establish. Our products are engineered to promote root development and vegetation, providing a more natural look compared to the stale appearance of rock riprap, articulated concrete blocks, and concrete.

But the importance of our green solutions goes beyond aesthetics. Our erosion control solutions:

- Maintain a cooler water temperature than traditional hard armoring, which is healthier for aquatic life habitats
- Decrease sedimentation and pollutants to improve water quality
- Encourage infiltration of water back into the ground water table
- Support a living shoreline, whereas hard armoring can decrease streamside vegetation and adversely impact fish populations

The EPA has identified High Performance Turf Reinforcement Mats (HPTRMs) like PYRAMAT® as a Best Management Practice (BMP) for improving water quality.

Our manufacturing facility in Ringgold, GA is ISO 14001 certified. This international certification recognizes that Propex is actively measuring its environmental impact and continuously looking for ways to improve it.

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**Installation Comparison: ARMORMAX® vs. RipRap**

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Typical placement of 1 acre, or about 5,000 SY, of erosion protection.

**ARMORMAX®**

- **DAYS** 5

- **CONTAINER VAN** 1/2

- **DOLLARS** $28 PER SY

**RipRap**

- **DAYS** 11

- **DUMP TRUCKS** 334

- **DOLLARS** $65 PER SY

**Assuming $25/ton for material, average fuel and equipment costs, and labor as specified above.**