

Turf Reinforcement Mats (TRMs)

LANDLOK® TRMs

Reinforcement is the only way vegetated channels and slopes can stand up to storm water. And Landlok TRMs with advanced X3 fiber technology give you two key advantages over traditional hard armor products like rock riprap and concrete. First, their unique fiber shape and 3-D pattern create a thick matrix of voids that trap seed, soil and water in place for quicker, thicker vegetation growth. Then, they provide additional reinforcement that *doubles* your vegetation's natural erosion protection abilities. Unlike ECBs, these flexible, three-dimensional reinforcement systems remain a permanent part of your application, anchoring mature plants to the soil for superior, long-term erosion resistance.



Landlok® TRM 435

- Uniquely designed for moderate-flow channels
- Made of a dense matrix of polypropylene fibers (8 oz./yd²) created to limit stretching in saturated conditions
- Available with a lightweight nonwoven geotextile backing



Green

Landlok® TRM 450

- Uniquely designed for sites that require pleasing aesthetics in a hurry
- Synthetic construction for long-term ground cover and erosion protection
- Installs on the top of soil and seed for an immediate, natural appearance
- The industry standard in TRMs



Green

Landlok® TRM 1060

- Uniquely designed for demanding conditions in which soil-filling is specified for maximum performance
- Heavier weight for long-term ground cover and erosion protection
- May be filled with soil for maximum stability and even quicker vegetation growth



Tan & Green

Landlok® TRM 1051

- Uniquely designed for channels and shorelines susceptible to heavy water runoff
- Made of a lofty web of polypropylene fibers (14 oz./yd²), one high-strength net and nonwoven geotextile fabric backing
- Possesses strength and elongation properties that limit stretching in saturated conditions



Tan





Turf Reinforcement Mats (TRMs)

Landlok® TRM Product Description

Landlok turf reinforcement mats consist of a dense web of crimped UV-stabilized polyolefin fibers positioned between two biaxially oriented nets and mechanically bound together by parallel-lock stitching, with polypropylene thread, for a more dimensionally stable TRM. The matrix possesses strength and elongation properties to limit stretching in a saturated condition. Every component of the matrix is stabilized against ultraviolet degradation and inert to chemicals normally found in a natural soil environment.

Product Specifications

For additional details, specifications and property values about specific Landlok TRM products, access the appropriate product data sheet from our Web site, www.fixsoil.com.

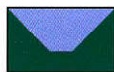
Installation Information

Landlok erosion control blankets and turf reinforcement mats can be installed quickly and cost-effectively, requiring minimal labor and equipment expenses. For optimum results, it is important to follow proper installation procedures. Detailed installation guidelines are shipped with all of our Landlok products and can be obtained from our Web site at www.fixsoil.com.

APPLICATIONS



Slopes

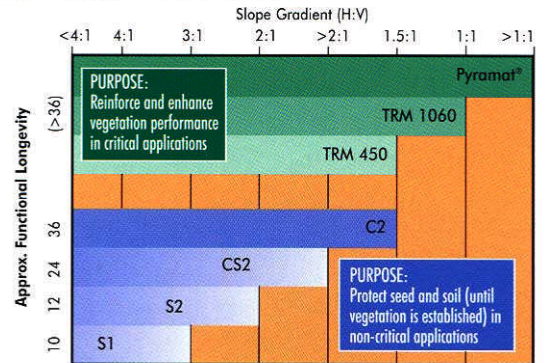


Channels

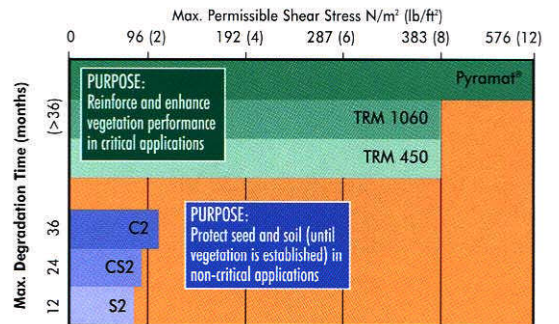


Banks

Soil Slope Protection



Channel Lining Systems



Maximum permissible shear stress has been obtained through vegetated testing programs featuring specific soil types, vegetation classes, flow conditions, and failure criteria. These conditions may not be relevant to every project nor are they replicated by other manufacturers. Please contact SI Geosolutions for further information.

AVAILABLE COLORS

Tan
Green

STANDARD ROLL SIZE INFO

6.5 ft x 138.5 ft = 100 yd²
2.0 m x 42.2 m = 84 m²