



Recyclex® TRM vs. Other TRMs - FACT SHEET

1. Recyclex TRM provides a high level of performance
 - Slopes applications up to 0.5H:1V or greater based upon geotechnical review.
 - Channel applications for flows up to 12 lb/ft² shear stress vegetated (vegetated Recyclex TRM has never been failed during large-scale testing).
2. Recyclex TRM has engineered out unnecessary stiff, tensile strength, to provide intimate contact with the subgrade, while maintaining superior performance
 - Tensile strength of Recyclex is more than sufficient to provide the reinforced vegetation system permissible shear strength up to 12 lb/ft², while the flexible nature of Recyclex allows it to conform intimately to the subgrade.
 - Other TRMs may contain “higher” tensile values strictly as a result of their manufacturing process that is marketed as a benefit to the product. Tensile strength has not been correlated to performance. In addition, unnecessary tensile strength causes products to become stiff and bridge over soil. TRMs with unnecessarily high tensile strength can cause extreme problems if hit with mowing equipment because the whole vegetated system can be “pulled” that can cause serious damage to equipment and system failure instead of only a localized tear that may occur with TRMs containing sufficient tensile strength.
3. Recyclex’s fibers are made from 100% post consumer recycled bottles
 - Approximately 20 bottles are diverted from landfills for each pound of Recyclex fibers and Recyclex fibers can help contribute to LEED® credit(s) MR 5.1/5.2.
 - Fibers of other TRMs are made from non-recycled materials.
4. Recyclex synthetic fibers are polyester and contain unique crimps
 - Polyester has a specific gravity greater than one. Thus, Recyclex fibers do not float during hydraulic events. In addition, the unique crimps in Recyclex fibers cause the fibers to cling to one another, to cling to the soil, and the crimps allow the matrix to rebound after loading events (95% fiber memory {WLM-TM RC-17}).
 - Other TRMs made with polypropylene fibers float during hydraulic events. Polypropylene has a specific gravity less than one. In addition, non-crimped synthetic fibers are “slippery” resulting in poor fiber-to-fiber connectivity, poor interaction with soil, and limited ability to rebound after loading events.
5. Vegetation germination and establishment can be affected by the color of TRMs
 - Recyclex TRM’s lighter green or lighter tan colors provide favorable germination and establishment conditions for vegetation.
 - Dark colored TRMs (black, dark brown, dark green, biocomposites containing coconut fibers, etc.) can absorb excessive amounts of sunlight/heat and the resultant conditions commonly lead to seed burnout before germination occurs.

