

PRODUCT INFORMATION SHEET

# TRM

Turf Reinforcement Mat

Kapsons' **Turf Reinforcement Mat (TRM)** is an advanced erosion control solution designed to reinforce vegetation on slopes and embankments, providing long-term stabilization against soil erosion. TRM enhances the natural vegetative layer's strength, ensuring that it can withstand high-flow water conditions and prevent soil displacement.

**Key Features**

- **High Durability:** Made from UV-stabilized synthetic fibers, TRM is built to last, offering robust performance in a variety of environmental conditions.
- **Enhanced Vegetation Growth:** The mat promotes and reinforces natural vegetation, creating a permanent, green solution for erosion control.
- **Superior Erosion Control:** Provides immediate protection against erosion while allowing vegetation to establish, making it ideal for areas prone to high runoff.
- **Versatile Application:** Suitable for a wide range of erosion control projects, including highways, embankments, drainage channels, and riverbanks.
- **Easy Installation:** TRM can be quickly installed, reducing project timelines and labor costs, while its flexible design allows it to conform to uneven terrain.

**Applications**

- **Slope Stabilization:** Prevents soil erosion on steep slopes by reinforcing vegetative cover.
- **Drainage Channels:** Protects against erosion caused by high-flow water in drainage channels.
- **Riverbanks:** Stabilizes riverbanks by reinforcing the soil and promoting vegetation growth.
- **Highway and Railway Embankments:** Ensures long-term stability and erosion control on infrastructure embankments.

| Turf Reinforcement Mat |         | TRM-450 |
|------------------------|---------|---------|
| Properties             | Unit    |         |
| Mass                   | gm/sq.m | 450     |
| Tensile Strength, MD   | kN/m    | 7       |
| Tensile Strength, TD   | kN/m    | 3.4     |
| Elongation, MD         | %       | 25      |
| Elongation, TD         | %       | 25      |

