



**TECHFAB INDIA**

**At the heart of geosynthetic activity**



## TFI 3000 Series High Strength Woven Polyester Geotextiles

TFI 3000 series products are high strength woven geotextiles manufactured by weaving high tenacity polyester filament yarns into a dimensionally stable network.

TFI 3000 series products are manufactured from select high tenacity polyester yarns with molecular weight > 25000 and carboxyl end groups < 30. The products have excellent chemical and biological resistance and assured durability for long-term applications.

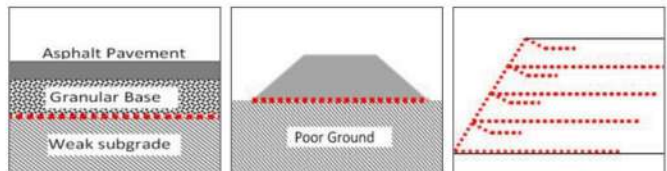
The inherent characteristics of polyester – high tensile strength and modulus, low elongation, low creep and high long-term design strength - makes these products ideal for soil reinforcement applications. The fabric develops excellent frictional interaction with a wide variety of soils and granular materials.

The relatively small openings of these fabrics enable them to act as efficient separators preventing the mixing of costly granular materials with fine-grained soils. The geotextile has reasonably high permeability to prevent excessive build-up of pore-pressures due to applied loadings.

TFI 3000 series products are manufactured in accordance with stringent quality assurance procedures at every stage of production. The products are regularly tested in our state-of-the-art in-house laboratory to ensure strict compliance to the technical specifications. The products have been extensively tested at internationally renowned independent accredited laboratories. All Test related to LTDS of Polyester Woven Geotextiles have been done from M/s TRI. Several products are CE certified.

### Applications

- ▣ Subgrade stabilization
- ▣ Area stabilization
- ▣ Basal reinforcement of embankments on poor ground
- ▣ Working platforms & Load transfer platforms
- ▣ Reinforced soil slopes and walls



### Why TFI 3000 Polyester woven geotextiles?

- ▣ It is ideal for applications involving the functions of reinforcement, separation and stabilization.
- ▣ The product is available in widths of up to 5.0 m, thereby ensuring speedy installation and less wastage due to overlaps.
- ▣ Cost Effective
- ▣ Ease of Construction.
- ▣ Excellent Performance due to high Long term design strength.
- ▣ Handles very high loads.
- ▣ Less differential settlement.



tBU, Greven, Germany



TRI, USA



BTG, UK



BICS, UK