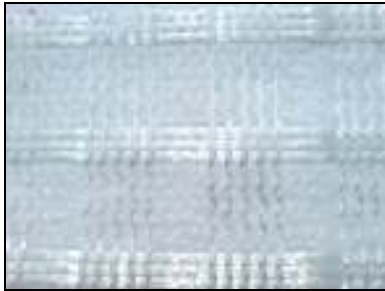


TGC Reinforced Non-woven Composites

TechFab Geo Composite (TGC)



TGC products are knitted non-woven composite comprising a non-woven geotextile reinforced with high tenacity Polyester yarns or Glass rovings in two orthogonal directions. The high tenacity, high molecular weight, low CEG polyester yarns / glass Rovings with high tensile strength and low creep performs the function of reinforcement and the non-woven performs the functions of separation, filtration and drainage. The product is resistant to the chemical and biological environments normally found in soils and is stable against short-term exposure to ultraviolet radiation. The excellent drainage or in-plane permeability enables an accelerated dissipation of excess pore water pressure.

TechFab India TGC products are widely used for road and railway applications. These products provide the ideal combination of functions of separation between the granular base course layer and the soft and possibly saturated sub grade; filtration and drainage capability of TGC products allows free water flow, enabling accelerated dissipation of excess pore water pressure. It also prevents migration (pumping) of fine soil particles from the sub grade into the base course. High strength with low creep of polyester yarns provides stabilization of the sub grade and reinforcement of the base course layer.

Applications:

- Paved and Unpaved Roads
- Load transfer platforms over saturated soils.
- Railways
- Parking Lots

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