





# **TechSlope Mesh**

Flexible Slope Stabilisation System

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# TechSlope Flexible Slope Stabilization System

TechSlope flexible slope stabilization system made out of high tensile steel wire which has minimum deformation and maximum tensile strength, the mesh has unique advantages over conventional slope stabilization methods using hard facings such as shotcrete. The flexible slope stabilization system works in combination with or without bearing plates and other elements like top & bottom support ropes, wire rope anchors and soil nails.

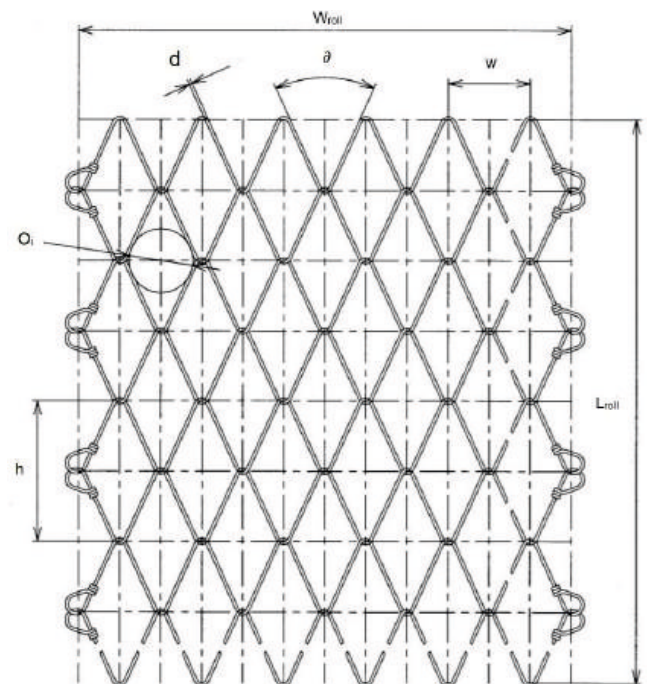
The high strength mesh is equally effective in case of grid beam method where in the bearing plate is replaced with a concrete pillow. The system can be used to protect any kind of slope, be it soil slope or rock or embankments.

The following performance specification describes a flexible slope stabilization system which has minimum deformation and high strength. Mesh Panels are connected through special connection clip which avoid the overlapping of mesh. Mesh type depends on the design and geotechnical push from the ground.



## TECHNICAL DATA SHEET

Mesh Geometry	Rhomboidal
Mesh Size (Diagonal: wxh)	83 x 143 mm (+/-3%)
Mesh Opening (O <sub>i</sub> )	65 mm (+/-3%)
Wire diameter (d)	3.0 mm
Tensile Strength of Wire (f <sub>t</sub> )	1770 Mpa
Tensile Strength of Mesh (x <sub>t</sub> )	150 kN/m
Corrosion protection	95%Zn / 5%Al
Coating thickness	150 g/m <sup>2</sup>
Roll width (W <sub>roll</sub> )	3.0 m**
Roll length (L <sub>roll</sub> )	30.0 m**
End connections	Spiral twisting





***High Strength:***

Tensile strength of the wire used for TechSlope has a tensile strength of more than 1770 MPa which allows the mesh to be stronger and provides the stability required.

***Light Weight:***

TechSlope is light weight when compared to conventional meshes available in the market which allows easy handling at the site.

***Corrosion Protection:***

TechSlope with Galfan coating (95%Zn/5%Al) offers superior corrosion protection lasts longer than conventional systems in highly corrosive environment.

***Economical:***

TechSlope is an economical alternative to other slope stabilization systems available in the market over a period of time.

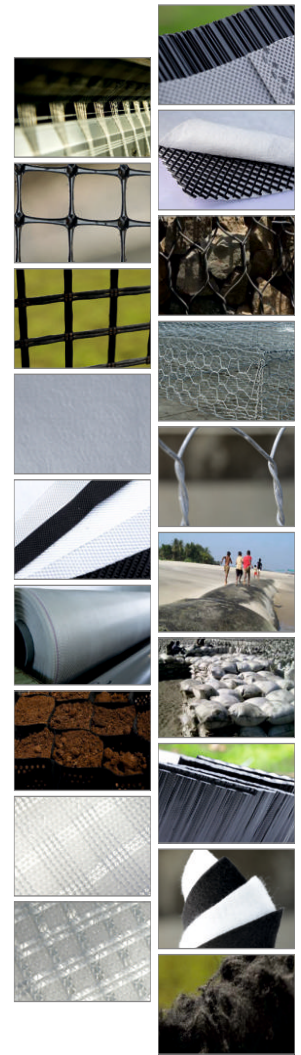
***Green Solution:***

Unlike shotcrete TechSlope provides a green fascia to the slope and reduces carbon footprint to a great extent.

## ABOUT TECHFAB INDIA INDUSTRIES LTD

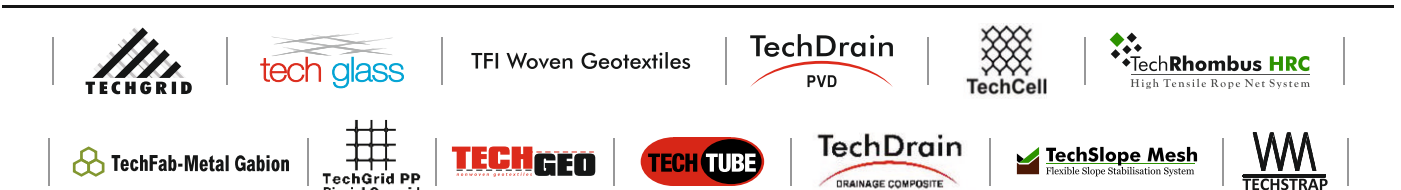
TechFab India was founded in 2003 with the objective of providing world class geosynthetic products and services to serve the needs of manufacturing development in India. From a modest beginning with the setting up of a manufacturing facility for woven geotextiles in Silvassa, we have rapidly grown to become the largest manufacturer of geosynthetics in India. Today we manufacture a wide range of products at our factories in Silvassa and Daman. Details are as under:

- TechGrid Knitted and polymer coated Polyester Geogrids (CE Marked & BBA Certified)
- TechGrid-Base Reinforcement Geogrids (CE Marked)
- TechGlass - GlassFibre Geogrids with modified Bitumen Coating (CE Marked)
- TechGlass AIC (Asphalt Interlayer Composite)
- TechGeo Needle Punched Nonwoven Geotextiles (CE Marked) AASHTO NTPEP evaluated
- TFI 3000 Woven PET (CE Marked & AASHTO NTPEP Evaluated)
- TGC Reinforced Nonwoven
- TechPave Paving Geotextiles
- TechFab Metal Gabions
- TechDrain - Prefabricated Vertical Drains (CE Marked)
- TechTube Geotextile Tubes & Bags
- TechDrain Drainage Composites
- TechGrid PP Biaxial Geogrid
- TechCell GeoCells
- TechStrap Polyester Geosynthetic Strap
- Tech Fibre - PP Staple Fibre
- TechSlope Mesh & TechRhombus HRC



World-class Geosynthetics Manufactured in India by Techfab India Industries Ltd.													
TFI WovenGeotextiles		TechGrid Geogrids	TGC Reinforced Nonwoven Composites	TechDrain PVDs	TechDrain Drainage Composite	TechGlass AIC	TechGlass Geogrids	TechGeo Nonwoven Geotextile	TechFab Metal Gabion Double twist wire mesh products	TECHTUBE & Geotextile Bags	TechGrid PP Biaxial Geogrids	TechStrap Polymeric Strip	TechCell Geocell
Polypropylene Multifilament	Polyester Multifilament							TechPave					

TechFab In house laboratory is accredited With ISO/IEC - 17025:2005 & GRI-GAILAP



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