

TECHGEO NONWOVEN (NG2) FOR LANDSCAPING / PODIUM GARDENS
INDIA

Landscaping

Client:	Products used:
	TECHGEO NONWOVEN GEOTEXTILE - NG2
Main contractor:	Quantity supplied:
Manufacturer & Supplier:	Year of construction:
TECHFAB (INDIA) INDUSTRIES LTD.	

Introduction:

TechGeo Nonwoven Geotextiles are high quality polypropylene, staple fibers mechanically bonded through needle-punching. The basic functioning of the product is to serve as separation and filter material. Landscaping / Podium Gardens are one of the manifold applications which TechGeo Nonwoven Geotextiles can cater to the construction industry. Following is the brief description of Installation procedure for TechGeo Nonwoven Geotextile - NG2 for Landscaping / Podium Garden application:

1) Laying of Drain Board / Aquaduct:

Install the Drain Board / Aqua duct, as shown in the Figure 1 & 2, over the prepared surface i.e. sub soil / slab top etc. The board shall be selected depending upon the overburden placed over it and the drainage characteristics required. The same should be provided with minimum cross slope for easy drainage of water.



Fig 1 & 2 : Laying of Drain Board

2) Laying of TechGeo Nonwoven Geotextile - NG2 :

Unroll TechGeo Nonwoven Geotextile - NG2 over the laid drain board / aqua duct, as shown in figure 3 & 4. TechGeo NG2 shall be laid such that there are no wrinkles or folds over the laid surface. Small heaps of sand or overlying material can be placed at fixed intervals to keep TechGeo NG2 in position. No vehicle shall be allowed to move directly over the laid TechGeo NG2. TechGeo NG2 shall act as "Separator" and "Filter" material between the underlying drain board and overlying soil fill. It prevents the clogging of the drain board by the overlying soil material and at the same time allows surface water to seep through the overlying soil into the drain board.



Fig 3 & 4 : Laying of TechGeo - NG2

3) Laying of Coarse Sweet Sand:

Place 50 to 75mm of coarse sweet sand over the placed TechGeo - NG2, as shown in Figure 5 & 6. The placed sand layer will keep the TechGeo - NG2 in position over the drain board and preventing against clogging.



Fig 5 & 6 : Laying of Coarse Sweet Sand

4) Laying of Soil Planting Mixture :

Lay a layer of soil planting mixture over the placed sand layer, as shown in the Figure 7 & 8. The same will assist the growth of the root of the plants / grass to be grown. The thickness of the soil planting mixture will depend upon the root zone of the particular plant / grass to be grown.



Fig 7 & 8 : Laying of Soil Planting Mixture

3) After Completion:

Figure 9 & 10, shows the completed Podium Garden / Landscape after growth of vegetation.



Fig 9 & 10 : completed Podium Garden / Landscape

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