



Fibertex
Geotextiles Africa

GEOSYNTHETIC PRODUCTS



We build the future



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Workshop on Capping Design in South Africa

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Fibertex Non-Wovens

- Established in 1968
- 100% Danish owned (Schouw & Co.)
- Global leader in manufacturing of non wovens using various manufacturing technologies
- Established supplier to:
 - Personal Care, Construction, Industrial, Furniture industries
- Manufacturing facilities in:
 - Denmark, Czech Republic, France, USA, SA & Turkey
 - Combined production capacity of over 70 000tons/yr.
- Additional Sales office subsidiaries in Spain, Portugal, Germany & India



Fibertex Geotextiles Africa

- Sales division of Fibertex South Africa for all construction-related products into the South Africa and export markets
- Geotextiles Africa acquired in 2013
- Major supplier & distributor of Geosynthetics for over 20 years
- Broad network of local and international supply partners
- Comprehensive design & technical advisory service
- Civil Engineering (Construction, Building, Environmental, Waste), Industrial, Mining, Architectural & Landscaping sectors
- Sales offices & warehouse facilities in KZN, Gauteng and Western Cape
- BB-BEE Level 4

Product Range

- Geotextiles (Woven/Non Woven)
- Geogrids / Reinforcement
- Cellular Confinement Systems (Geocells)
- Subsoil Drainage Pipes & Fittings
- Erosion Control Systems
- Geosynthetic Clay Liners (GCL)
- Composite Drainage Systems
- Geomembrane Liners
- Cuspated Drainage Mediums
- Gabions & Mattresses
- Safety Barriers
- Vegetation Covers

Non-Woven Geotextiles

- Fibertex F – Range (Virgin PP)
- Locally manufactured in Hammarsdale, KZN
- State-of-the-art drylaid, staple fibre, needle punched & heat treated technology
- Range of grades available (90gsm – 1200gsm)
- SANS, AASHTO, EN ISO, GRI GT, Colto Standards
- ISO 9001 & CE mark accredited
- Functions within capping applications:
 - Separation, Filtration, Drainage, Protection, Reinforcement

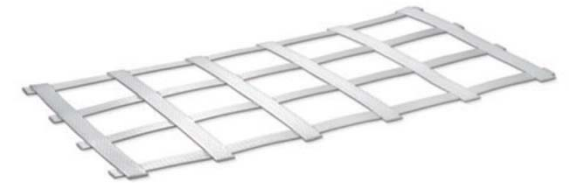


Non-Woven Geotextiles: Applications



Geogrids

- Secugrid & Combigrid
- Flat extruded monolithic bars welded at the junctions with/without integrated geotextile
- PP & PET varieties
- Biaxial (max. 80kN/m UTS) and Uniaxial grades (max. 1 200kN/m UTS)
- Allows steeper walls and slopes to be constructed
- Can withstand high installation loads
- Functions:
 - Reinforcement: Improves stability of soil veneers or entire lining systems on steep/long slopes

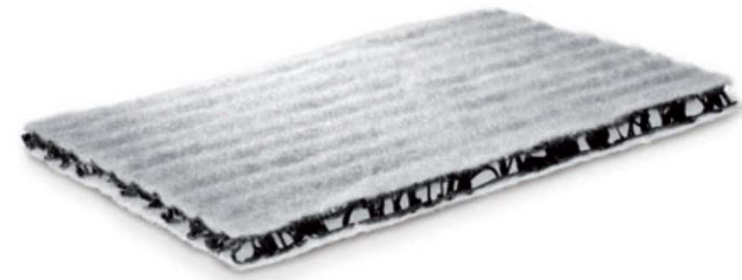
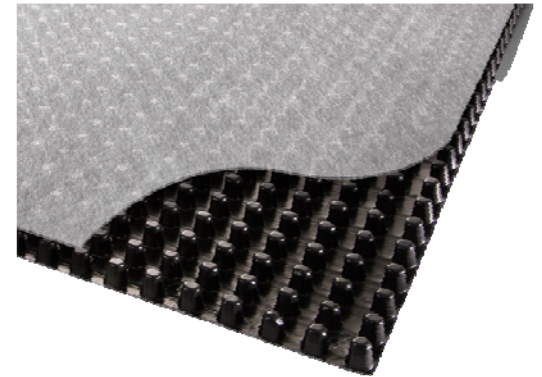


Geogrids: Examples



Geocomposites

- Drainage Core:
 - HDPE Cusped Sheet
 - Extruded wave structured 3D HDPE matrix
- Geotextile (one or both sides):
 - Separation: of adjacent soil layers
 - Filtration: prevents the drainage layer from clogging
 - Protection: acts as a protection layer to geomembrane elements
 - Improves interface shear strength with adjacent layers
- Good bonding ensures uniform shear force transmission within the system
- Applications:
 - Gas venting, Capillary break layer, Management of precipitation infiltration

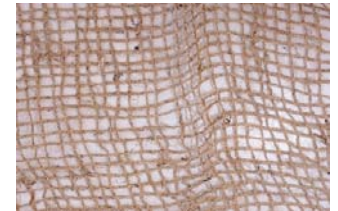


Geocomposites: Examples



Erosion Control

- Extruded 3D HDPE matrix products
- Biodegradable Geojute / Husk mats
- Silt Fences
- Geocells
- Rock filled Gabions and Mattresses
- Applications:
 - Prevents sliding and washing out of the soil and cover layer while facilitating rapid vegetation growth
 - Construction of contour drains and downchutes



Erosion Control: Examples





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Thank You