

ECOFILTER GEOTEXTILE



Application

When the TERRAM EcoFilter is installed as a separation layer in the subbase of unsealed pavement, the geotextile stabilizes the layer structure by preventing the different soil types from mixing. In addition, the TERRAM EcoFilter, as a filter geotextile, ensures water permeability within the soil structure and thus reliable drainage and infiltration of rainwater into the ground.

- Rainwater infiltration
- Unsealed ground stabilization
- Swales and water storage
- Paving and path construction
- Terrace construction
- Green roofs
- Gardening & landscaping
- Sports field construction
- Cable and pipeline installation

Description

TERRAM EcoFilter is a separation and filter geotextile made of thermally flat-bonded core-sheath fibers from recycled plastic. This manufacturing process gives the TERRAM EcoFilter geotextile particularly high mechanical strength with excellent filtering properties, as well as outstanding long-term durability in all soil types. Furthermore, the use of recycled plastic in the production of TERRAM EcoFilter results in lower emissions compared to comparable geotextiles made from virgin materials. Therefore, the use of TERRAM EcoFilter ensures the geotextile's desired function as a filter and separation layer over the long term, making a sustainable contribution to environmental protection by conserving resources.

Features

- High and consistent filtration performance in various soil types
- Exceptionally high mechanical strength
- Environmentally neutral—no impact on soil or groundwater
- Sustainable due to production from recycled plastic
- Resistance to acids and alkalis
- Microbiological resistance
- Easy to cut and work with

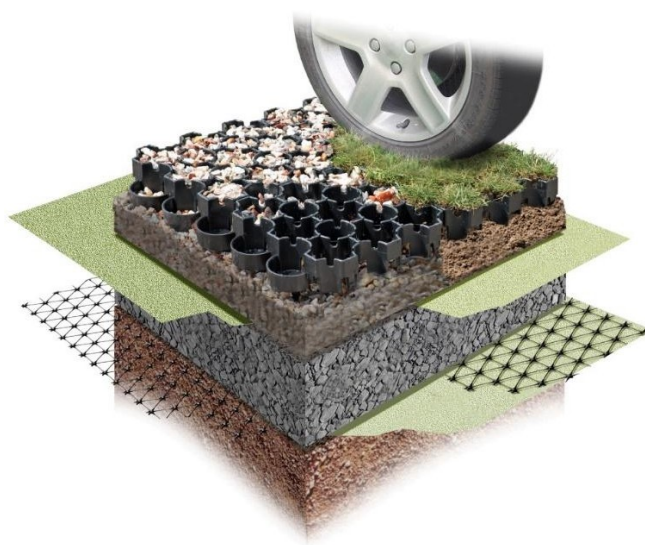
ECOFILTER GEOTEXTILE

Technical Data

Mechanical Properties		
Tensile strength	(EN ISO 10319) kN/m	8.5
Elongation	(EN ISO 10319) in %	30
CBR penetration force	(EN ISO 12236) in kN	1,575
Cone drop test	(EN ISO 13433) in mm	38
Resistance		
Weather resistance	(EN ISO 122224) in days	>90
Microbiological resistance	(EN ISO 12225) in %	No effect
Resistance to acids/alkalis	(EN ISO 14030) in %	No effect
Oxidation	(EN ISO 12226) in %	>90
Hydraulic properties		
Opening width ϕ_{90}	(EN ISO 12956) in μm	150
Water permeability	(EN ISO 11058) in l/m^2	100
Physical properties		
Material thickness	(EN ISO 9863-1) in mm	0.72
Basis weight	(EN ISO 9863) in g/m^2	125

Note:

The products are delivered packaged in PE film to protect them from damage caused by UV radiation. It is recommended to keep the products packaged until installation. Once removed from the film, they should be installed within 14 days and adequately covered to protect them from unnecessary UV radiation.



As part of its continuous improvement process, EcoTrade Leipzig GmbH reserves the right to change the specifications listed here without notice.