

PRODUCT DATA SHEET

Delta Geo-Drain Quattro



Description

Delta Geo-Drain Quattro is a unique 9mm compact four-layer external drainage and protection membrane suitable for vertical and horizontal drainage. Delta Geo-Drain Quattro is externally applied as a protective layer installed over a primary waterproof system during backfilling.

Delta Geo-Drain Quattro is a high performance four-layer membrane: perforated sliding film, drainage fleece, dimpled sheet and laminated geotextile that can be used in place of protection boards.

Due to its high compressive strength, Delta Geo-Drain Quattro can be used at installation depths of up to 10m.

Suitable for new build and refurbishment waterproofing projects.

Features

- 9mm studded profile
- Air Volume between studs: 7.9 l/m²
- Compressive Strength: >400 kN/m²
- Geotextile filter to stop the drain clogging
- Perforated slip layer with wick
- Effectively prevents the buildup of water pressure on primary waterproofing system
- Outstanding drainage capacity for dealing with large quantities of water
- Rotproof

Packaging

Supplied in 2m x 12.5m rolls

Durability

Delta Geo-Drain Quattro with tested long-term resistance of up to 100 years - is free of recycling material in accordance with DIN EN 13252 and has passed tests for aging resistance by independent and accredited testing institutes.

Product Details

DMS 006

Fields of Application

- Green roofs
- Blue roofs
- Buried roofs
- Podium decks
- Retaining Walls
- Civil engineering projects
- Drainage / Protection Layer

Specification

- J40/295 Geocomposite studded cavity drainage/ venting membrane
- Q37/350 Drainage layer
- Pr_25_57_51_36

Associated Products

- Koster Deuxan 2C
- Koster NB 4000
- Delta MS Profile Brown
- Delta Sealing Tape
- Delta Stop Pins (self-adhesive pins)



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Technical Data

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Material of the Dimpled Sheet	High Density Polyethylene (PE-HD)
Material of the Geotextile	Polypropylene
Material of the Sliding Film	Polyethylene
Material of the Drainage Fleece	Polypropylene
Dimple Height	Approx. 9mm
Air Gap	Approx. 7.9L/m ²
Service Temperature Range	From -30°C to +80 °C
Application	In drainage systems for draining (D) and filtering (F) as a protective layer of the seal according to the standard DIN 18533
Compressive Strength	Approx. 400kN/m ² (EN ISO 25619-2)
Tensile Strength	MD 13,8kN/m (EN ISO 10319) CMD 14,1kN/m (EN ISO 10319)
Dynamic Perforation Resistance	40mm (EN ISO 13433)
Characteristic Opening Size	150µm (EN ISO 12956)
Water Permeability	0,08m/s (EN ISO 11058)
Water Drainage Capacity	3.5L/m s bei 20 kPa (Gradient i-1,0) (EN ISO 12958)
Weather Resistance	To be covered within a term of two weeks from the date of installation
Dimensions	12.5m x 2.00m

Installation

Please refer to the Delta Installation Guides. Installation Guides can be found at www.deltamembranes.com/technical/delta-installation-guides/. We have a number of "How to" subject related video guides available on your Youtube Channel and Website. Please visit [www.deltamembranes.com/technical-categories/the-video-suite/](http://www.deltamembranes.com/technical/categories/the-video-suite/)

Storage

- Store safely and keep out of reach of children
- Always store and transport in a secure upright position

Guarantees

Delta Membrane Systems Limited offer a 30-year Product Guarantee on membranes, seals and fixings when a Delta Cavity Drain System has been installed by a Delta Registered Installer. A list of experienced Delta Registered Installers is available from Delta's offices.

Safety

Always follow the instructions provided in the material safety data sheet and take the precaution described there. Wear appropriate Protective Personal Equipment (PPE) when applying and using the material. Observe all governmental, state, and local safety regulations when processing the material.

Other Information

All data and information contained in these Product/Technical Data Sheets is up-to-date and correct as at the date of issue. The information given is suggested as guidance and should only be used for evaluating your specific application. Delta Membrane Systems Limited cannot control or anticipate the conditions under which this product may be used, each user should review the information in specific context of the planned use. The information contained in these Product/Technical Data Sheets should not be considered a warranty, expressed, or implied, including but not limited to a warranty of merchantability or fitness for a particular purpose. In no event shall Delta Membrane Systems Limited be liable for any incidental or consequential damages resulting from the use, misuse, or inability to use the product. This exclusion applies regardless of whether such damages are sought based on breach of warranty, breach of contract, negligence, strict liability in tort, or any other legal theory. When in doubt, contact Delta's Technical Team on 01992 523 523.

