



Delta Membrane Systems Ltd

n5Plus



Delta®-Drain

By Delta Membrane Systems Ltd

Detailed description

Delta®-Drain is a high-density polyethylene (HDPE) double dimpled sheet with integral polypropylene geotextile for the protection of foundation wall waterproofing against mechanical damage, and for reliable drainage of stratified and slope water.

Features:

- Comprises a layer of polypropylene compression-resistant permanent filtration geotextile, laminated to a brown polyethylene (HDPE) drainage sheet with 12 mm height, two-way dimples.
- The vertical drainage system combines high compressive strength with excellent drainage properties.
- The integrated geotextile mat filters out suspended soil particles and ensures constant water drain-off through the air gap created by the dimple texturing.
- When applied to perimeter insulation boards, the dimpled sheet provides the necessary insulation from contact with the surrounding soil.

Product guidance - As Standard

Technical data:

- Conforms to CE requirements and those of BS EN 13252, Certificate No. 0799-CPD-13.
- Drainage rate: Approximately 1.5 L/s per metre.
- Compressive strength (transient loading): Approximately 150 kN/m².
- Compressive strength (permanent loading): Approximately 50 kN/m².
- Installation depth (maximum): 5 m.
- Service temperature range: -30°C to +80°C.
- Delta® dimpled sheets are rot-proof, resisting saline solutions, inorganic acids, alkalines, and polar liquids.
- They are proof against attack or modification by any of the minerals, humic acids, and bacterial catabolic products that naturally occur in the soil, as well as by bacteria, fungi, and micro-organisms.
- The response of all sheet types to soil or underground water is completely neutral, nor will they leach any harmful and/ or ecologically doubtful substances.
- Care should be taken to ensure that they are not permanently exposed to UV radiation.

Product specification

Manufacturer

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Product reference Delta®-Drain

Accessories

[Delta®-Geo-Drain Clip] - Attachment clip for fastening Delta®-MS-Profile.
[Delta®-Stop Pin] - Adhesive pin to facilitate the installation of the dimpled sheet.
[Delta®-Plug] - Nylon percussion plug for concrete or masonry.
[Delta®-MS Knopf] - Washer fastening.
[Delta®-MS Profile] - Brown moulding cap to protect the upper edge of the sheet.
[Delta®-Terraxx-Profile] - Moulding cap for application to insulation boards (60–100 mm).
[Delta®-Terraxx-Schraube fixing] - For fastening to perimeter insulation boards.