

Technical Data Sheet

DELTA MS DRAIN

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| 1. Description | Two-ply protection and drainage layer comprising a stabilised brown HDPE dimpled sheet with a non-woven white polypropylene geotextile. |
| 2. Use | For installation under the attenuation cell in Axter's Aquamodul Traffic blue roof waterproofing system. |
| 3. Packaging | Rolls 2m x 30m with a nominal weight of 25kg. |
| 4. Storage | Rolls to be stored horizontally. |

| Characteristics | Method | Value | Unit |
|---|--------------------|---|---------------------------------|
| Characteristic of core | | | |
| Dimpled sheet | - | Stabilized virgin HDPE brown | - |
| Flat edge/self-adhesive edge | - | Yes/no | |
| Dimple height | - | Approx. 4 | mm |
| Air gap between dimples | - | Approx. 2.6 | l/m ² |
| Contact area dimpled sheet/surface | - | Approx. 5.500 | cm ² /m ² |
| Dimples per m ² | - | Approx. 8.900 | per m ² |
| Characteristics of geotextile | | | |
| Geotextile | - | Non-woven, virgin polypropylene, white | - |
| Dynamic performance resistance (cone drop test) | EN 13433 | Approx. 40 | mm |
| Opening size 090 | EN 12956 | 55 | µm |
| Water permeability | EN ISO 11058 | 55 | mm/s |
| Tensile strength MD / CD | EN ISO 10319 | - | kN/m |
| Elongation at tensile strength MD / CD | EN ISO 10319 | - | % |
| Characteristics of composite | | | |
| Additional layer(s) | - | None | - |
| Certification | EN 13252 | CE compliant, drainage and filtration | - |
| Pressure resistance (short time load) | EN ISO 25619-2 | Approx. 300 kN/m ² (0.30 N/mm ²) | kPa |
| Pressure resistance (permanent load) | EN ISO 25619-1 | Approx. 100 kN/m ² (0.10 N/mm ²) | kPa |
| Installation depth | - | Max. 10 | m |
| Tensile strength MD / CD | EN ISO 10319 | 6.1 / 5.1 | kN/m |
| Elongation at tensile strength MD / CD | EN ISO 10319 | 35 / 45 | % |
| Tear strength MD / CD | EN 12310-1 | 240 / 230 | N |
| Service temperature range | - | -30 (-40?) up to +80 | °C |
| Static puncture resistance (CBR) | EN ISO 12236 | > 650 | N |
| Dynamic perforation test (cone drop test) | EN ISO 13433 | Approx. 25 | mm |
| Prognosis of durability without coverage | EN 12224 | Max. 3 | days |
| Prognosis of durability in natural soil (pH-value 4-9, <25°C) | EN ISO 13438 | Min. 25 | years |
| Mass per unit area* | EN 1849-2 | Approx. 420 | g/m ² |
| Roll weight | - | Approx. 25 | kg |
| Roll dimensions | EN 1848-2 | 2m x 30m | m |
| Packaging | - | 6 rolls/pallet | - |
| Drainage capacity in the plane | | EN ISO 12958 | |
| Load | Hydraulic gradient | i = 1.00 | - |
| 0 kPa | | 0.60 | l/s .m |
| 20 kPa | | 0.54 | l/s .m |
| 50 kPa | | 0.51 | l/s .m |
| 100 kPa | | 0.49 | l/s .m |

Installation

Delta MS Drain can be cut to size with a knife. Install with the geotextile-covered surface facing the soil.

It can be temporarily secured by screws at perimeters and also fixed with wooden battens or anchor plates using a nail gun, being careful not to damage the waterproofing.

Environmental

Delta MS Drain is rot-proof and resistant to bacterial products and alkaline and chemical substances.

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