

TECHNICAL DATA SHEET

DELTA®-TERRAXX/PLUS

For Heavy Duty Vertical and Horizontal Drainage Applications.

MATERIAL

DELTA®-TERRAXX is a high performance, 3-dimensional drainage composite. It consists of a dimpled drainage core and a layer of high strength polypropylene (PP) geotextile. The thin 3-dimensional structure of the geotextile is engineered to reduce the risk of clogging. The geotextile is heat-bonded to dimples. Its high initial modulus prevents deformation under increasing load ensures that flow rates are not compromised. The drainage core is made from a special high-density polyethylene (HDPE) that provides high impact and tear-resistance and is unaffected by environmental stress-cracking. The non-clogging geotextile is fully bonded to the dimpled drainage core, which prevents it from being pushed into the flow channels thereby maintaining high flow rates.

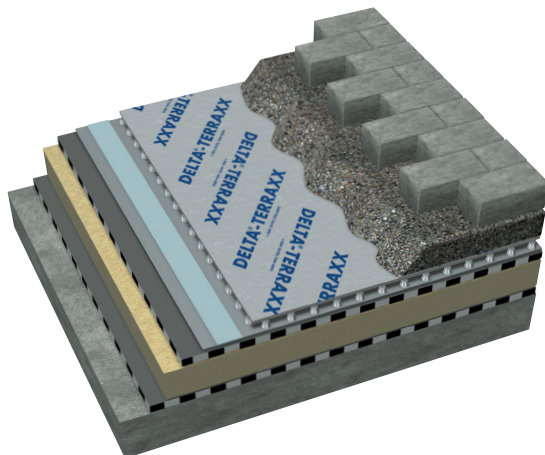
PROPERTIES

DELTA®-TERRAXX provides a continuous path for water discharge and relieves hydrostatic pressure buildup. The non-woven gray geotextile allows water to pass freely into the drainage core. At the same time, it prevents the passage of soil particles to ensure that the drainage core doesn't get clogged. DELTA®-TERRAXX is the ideal solution for applications where high drainage capacity is required. Subsurface water can pass easily into the drainage core where gravity feeds it into the drainage system at the bottom of the foundation. The product is rot-proof.

Also available as DELTA®-TERRAXX PLUS, with an exclusive integrated self-adhesive flat tab for greater placement stability.

APPLICATION

It is suitable for applications in underground wall construction, caisson, pile and lagging wall drainage, retaining walls, bridge abutments, and as relief layer for hydrostatic pressure on any subsurface structure. It will also function as protection board in a waterproofing system.



Technical Data

Product name	DELTA®-TERRAXX/PLUS	
Color	Silver	
Material	Drainage core:	high-density polyethylene (HDPE)
	Geotextile:	Polypropylene (gray)
Dimple height	approx. 2/5" (9 mm)	ASTM D5199
Compressive strength	8,500 psf (406 kN/m ²)	ASTM D6364-06
Geotextile (gray) grab tensile strength	120 lbs (534 N)	ASTM D4632
Geotextile (gray) elongation	60%	ASTM D4632
Geotextile (gray) trapezoidal tear	35 lbs (156 N)	ASTM D4533
Geotextile (gray) puncture strength	25 lbs (110 N)	ASTM D4833
Geotextile (gray) apparent opening size (AOS)	50 sieve size (0.30 mm)	ASTM D4751-99
Geotextile (gray) water flow rate	95 gal/min/ft ² (3895 l/min/m ²)	ASTM D4491
Permittivity	0.8 sec ⁻¹	ASTM D4491
Geotextile (gray) weight (typical)	3.0 oz/yd ² (104 g/m ²)	ASTM D5261-92
Geocomposite water flow rate @ hydr. grad. 1.0	16.6 gal/min/ft (206 l/min/m)	ASTM D4716-99
Geocomposite water flow rate @ hydr. grad. 0.1	4.77 gal/min/ft (59 l/min/m)	ASTM D4716-99
Toxicity	non-toxic, non-polluting	
Roll size / weight	6'-7" x 41' (2 m x 12.5 m) 40 lbs (17.9 kg)	
Service life expectancy	> 25 years (at pH between 4 and 9 and temperature below 77°F / 25°C). Do not expose to UV light for more than 30 days.	

DELTA® products support sustainable and energy-efficient building practices, including efforts toward achieving LEED® certification (LEED® for New Construction & Major Renovations, LEED® for Core and Shell, LEED® for Existing Buildings and LEED® for Homes).

For technical support, call our technical support team at 1-888-4DELTA4 (1-888-433-5824) extension 326, or visit www.dorken.com.