

### TECHNICAL DATA SHEET

## DELTA®-DRAIN

Horizontal Drainage for Garden Roofs or Paver Applications.

#### MATERIAL

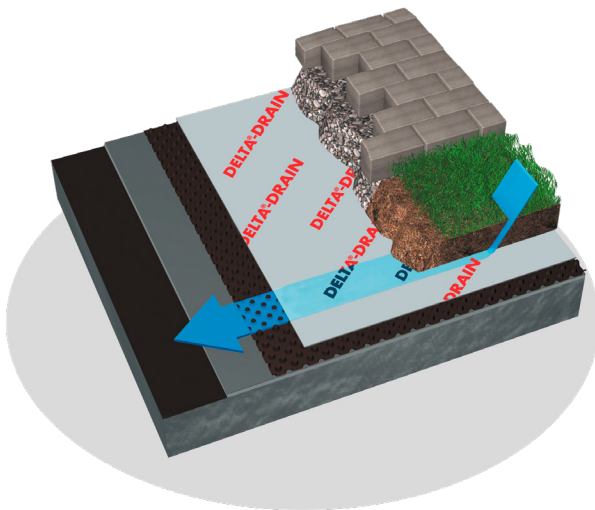
A dimpled membrane made of special polypropylene (PP) and polypropylene non-woven TYPAR® geotextile. DELTA®-DRAIN polypropylene drainage core provides high compressive strength, impact resistance, and chemical and environmental stress crack resistance.

#### PROPERTIES

The product is comprised of a 2-layer geocomposite. The first layer is the polypropylene drainage core that drains incoming water freely, thus preventing the build-up of hydrostatic pressure. The second layer is a heatbonded PP geotextile. The rot-proof geotextile is highly water permeable and prevents clogging of the flow passages in the drainage core while withstanding abrasion during overburden material application (i.e. gravel).

#### APPLICATION

The product is easily unrolled on horizontal surfaces. Available in 6' and 8' wide rolls, it allows for efficient coverage and fast installation. DELTA®-DRAIN is suitable for use under walkways and patios where pavers are installed over leveling bed (sand or gravel). It is also suitable for garden roofs where drainage is required.



### Technical Data

Product name	DELTA®-DRAIN	
Color	drainage core: black geotextile: grey	
Material	drainage core: polypropylene geotextile: polypropylene	
Dimple height	5/16" (8 mm)	ASTM D6364-06
Compressive strength	approx. 5,200 psf (250 kN/m <sup>2</sup> )	ASTM D6364-06
Air-gap volume between dimples	0.13 gal/ft <sup>2</sup> (5.3 l/m <sup>2</sup> )	DIN 4102
Water penetration resistance (core)	> 120 psi (815 kPa) Watertight	AATCC 127-1995
Flow rate / unit width @ hydr. grad. 1.0; 180 kPa	5.2 gal/min/ft (65 l/min/m)	ASTM D4716-08
Flow rate / unit width @ hydr. grad. 0.1; 180 kPa	1.4 gal/min/ft (17.4 l/min/m)	ASTM D4716-08
Temperature range	-22°F to +176°F (-30°C to +80°C)	
Chemical properties	Excellent chemical resistance, resistant to root-penetration, rot-proof	
Toxicity	non-toxic, non-polluting	
Weight per unit area	approx. 21 oz/yd <sup>2</sup> (715 g/m <sup>2</sup> )	ASTM D5261-92
Roll dimensions / weight	6' x 65' 7" (1.83 m x 20 m) 54 lbs (24.4 kg)	
	8' x 65' 7" (2.45m x 20m) 71 lbs (32.2 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](http://www.dorken.com).