

**TECHNICAL DATA SHEET**

**DELTA®-FLORAXX**

**Water Retention & Drainage for Garden Roofs.**

**MATERIAL**

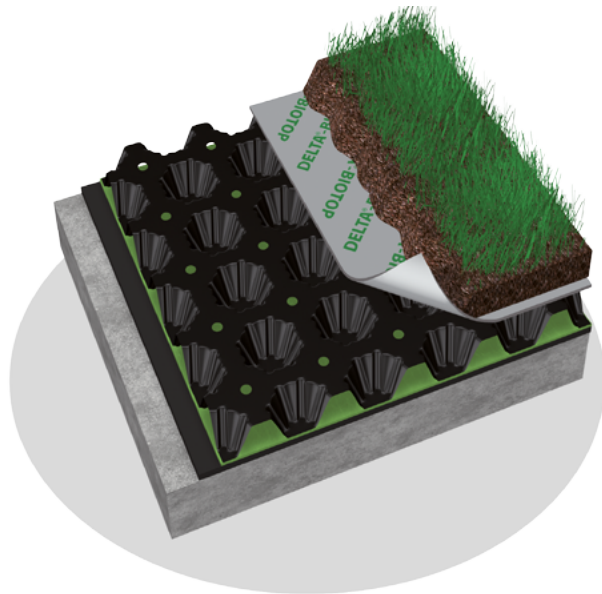
DELTA®-FLORAXX is manufactured with an exclusive co-extrusion process, utilizing 60% recycled high density polyethylene (HDPE) from municipal recycling programs in the middle, and two thin layers of a special virgin HDPE on the outside. The encapsulation of the recycled HDPE ensures that DELTA®-FLORAXX is protected against degradation caused by oxidation and environmental influences. The product provides effective water retention and allows surplus water to drain through large perforations between the octagon-shaped dimples. It is an environmentally friendly product. DELTA®-FLORAXX does not rot when in contact with soil.

**PROPERTIES**

DELTA®-FLORAXX is a perforated drainage board specifically designed for use in garden roof assemblies. The product has large capacity dimples with an octagon shape for high compressive strength. It is ideal for use in extensive or intensive rooftop gardens.

**APPLICATION**

DELTA®-FLORAXX retains rainwater in its high capacity dimples, which helps irrigate the plants on any garden roof. Surplus water can drain away effectively through the perforations and the open channel system under the dimple sheet.  
DELTA®-FLORAXX is part of a complete system in combination with DELTA®-ROOT BARRIER, and DELTA®-BIOTOP.



**Technical Data**

Product name	DELTA®-FLORAXX	
Color	black	
Material	Recycled high-density polyethylene, encapsulated between two layers of special virgin HDPE	
Dimple height	4/5" (20 mm)	ASTM D6364-06
Compressive strength	4,160 psf (200 kN/m <sup>2</sup> )	ASTM D6364-06
Water retention capacity	22 fl oz/ft <sup>2</sup> (7 l/m <sup>2</sup> )	
Drain capacity between dimples (Flow rate @ Hydr. grad. 0.1; 5 kPa)	13 gal/min/ft (161 l/min/m)	ASTM D4716-08
Drain capacity between dimples (Flow rate @ Hydr. grad. 0.02; 5 kPa)	5.7 gal/min/ft (71 l/min/m)	ASTM D4716-08
Drainage rate through perforations	3.9 fl oz/ft <sup>2</sup> (1.23 l/s x m <sup>2</sup> )	
Chemical properties	Resistant to chemicals Root-penetration resistant Does not rot when in contact with soil	
Toxicity	Non-toxic, non-polluting	
Temperature resistance	-22°F to +176°F (-30°C to +80°C)	
Roll dimensions	6'7" x 65'7" (2 m x 20 m)	
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).