

TECHNICAL DATA SHEET

DELTA®-ROOT BARRIER

Root barrier & waterproofing protection sheet.

MATERIAL

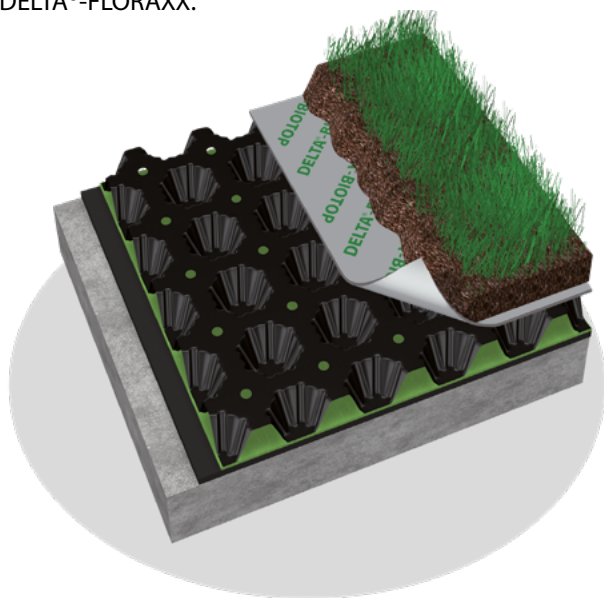
DELTA®-ROOT BARRIER is a specially stabilized 15 mil polyethylene sheet designed to withstand degradation due to oxidation and other environmental influences. It has very high strength to resist penetration by plants with aggressive root systems. DELTA®-ROOT BARRIER does not rot in contact with soil and is compatible with roof waterproofing systems, including asphalt-based membranes. It is chemically inert and bacteria-resistant.

PROPERTIES

DELTA®-ROOT BARRIER is engineered for strength to resist the jobsite rigorous of garden roof installation conditions, including impact resistance and foot traffic. The special stabilization process allows DELTA®-ROOT BARRIER to be durable in the challenging thermal conditions of a roof application. It is smooth, non-absorbing and water-tight, promoting effective water flow to drainage zones.

APPLICATION

DELTA®-ROOT BARRIER is applied on top of waterproofing prior to the installation of DELTA®-FLORAXX or other water-retention and drainage membrane. It comes in a convenient extra wide width to minimise overlaps, thereby reducing risk of root penetration into the waterproofing layer. DELTA®-ROOT BARRIER is part of complete system in combination with DELTA®-BIOTOP and DELTA®-FLORAXX.



Technical Data

Product name	DELTA®-ROOT BARRIER
Color	Green tint
Thickness	> 0.015 in (> 380 µm)
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 +122 °F (-30 °C to +50 °C)
Roll dimensions	84" (U-folded) x 98' (2.13 m x 29.8 m)
Product dimensions (unfolded)	168" x 98' (4.26 m x 29.8 m)
Coverage per product roll	1,372 ft2 (127.5 m2)
Weight per roll	Approx. 100 lbs/roll
Service Life expectancy	> 25 years (at pH between 4 and 9 and temperature below 122 °F/50 °C). The product shall not be in contact with metal. The product shall not be exposed to UV light for more than 7 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.