



Delta[®]-Drain

Below Grade Foundation Drainage



PRODUCT DESCRIPTION

A dimpled membrane made of special high-density polyethylene (HDPE) and polypropylene (PP) nonwoven TYPAR[®] geotextile. The HDPE drainage core with a specially designed dimple pattern provides high compressive strength and drainage capacity.

DELTA[®]- DRAIN is manufactured with an exclusive co-extrusion process, utilizing 60% recycled 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[®]-DRAIN is protected against degradation caused by oxidation and environmental influences, like acidic soils or alkalinity concrete). DELTA[®]-DRAIN 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 high-density polyethylene drainage core that drains incoming water freely to the footing perimeter drain, thus preventing the build-up of hydrostatic pressure against the waterproofing layer. It also acts as a highly effective protection layer for the waterproofing material during backfill operations. 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.

APPLICATIONS

DELTA[®]-DRAIN is unrolled against the foundation wall. It is typically used in conjunction with liquid or sheet applied waterproofing. Install the top edge of drain board at grade level. Place the bottom edge close to the perimeter footing drain. DELTA[®] Accessories are available for easy fastening and termination details.



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PROTECTOR™

SPECIFICATIONS

PROPERTIES	TEST METHOD	TYPICAL AVERAGE VALUES
Color		drainage-core: chocolate brown; geotextile: grey
Material		drainage-core: recycled & virgin, high-density polyethylene, geotextile: polypropylene
Dimple height	ASTM D6364-06	5/16" (8 mm)
Compressive strength	ASTM D6364-06	approx. 5,200 psf (250 kN/m ²)
Air-gap volume between dimples	ASTM D4716-08Z	0.13 gal/ft ² (5.3 l/m ²)
Water penetration resistance (core)	AATCC 127-1995	> 120 psi (815 kPa) Watertight
Flow rate / unit width @ hydr. grad. 1.0; 180 kPa	ASTM D4716-08	5.2 gal/min/ft (65 l/min/m)
Flow rate / unit width @ hydr. grad. 0.1; 180 kPa	ASTM D4716-08	1.4 gal/min/ft (17.4 l/min/m)
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	ASTM D5261-92	approx. 21 oz/yd ² (715 g/m ²)
Roll dimensions / weight		6' x 65' 7" (1.83 m x 20 m) 60 lbs (27.2 kg)
		8' x 65' 7" (2.45m x 20m) 73 lbs (33.1 kg)
Installation depth		up to 12' (4 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® Accessories		DELTA®-MOLD STRIP DELTA®-FAST'ner DELTA®-DRAIN PROFILE DELTA®-SCREW FASTENER DELTA®-SEALANT

NOTE: To the best of our knowledge, unless otherwise stated, these are typical property values and are intended as guides only, not as specification limits. Chemical resistance, odor transmission, longevity as well as other performance criteria is not implied or given and actual testing must be performed for applicability in specific applications and/or conditions. AMERICOVER, INC. MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage. Limited Warranty available at www.americover.com

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 (800) 747-6095 www.americover.com

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