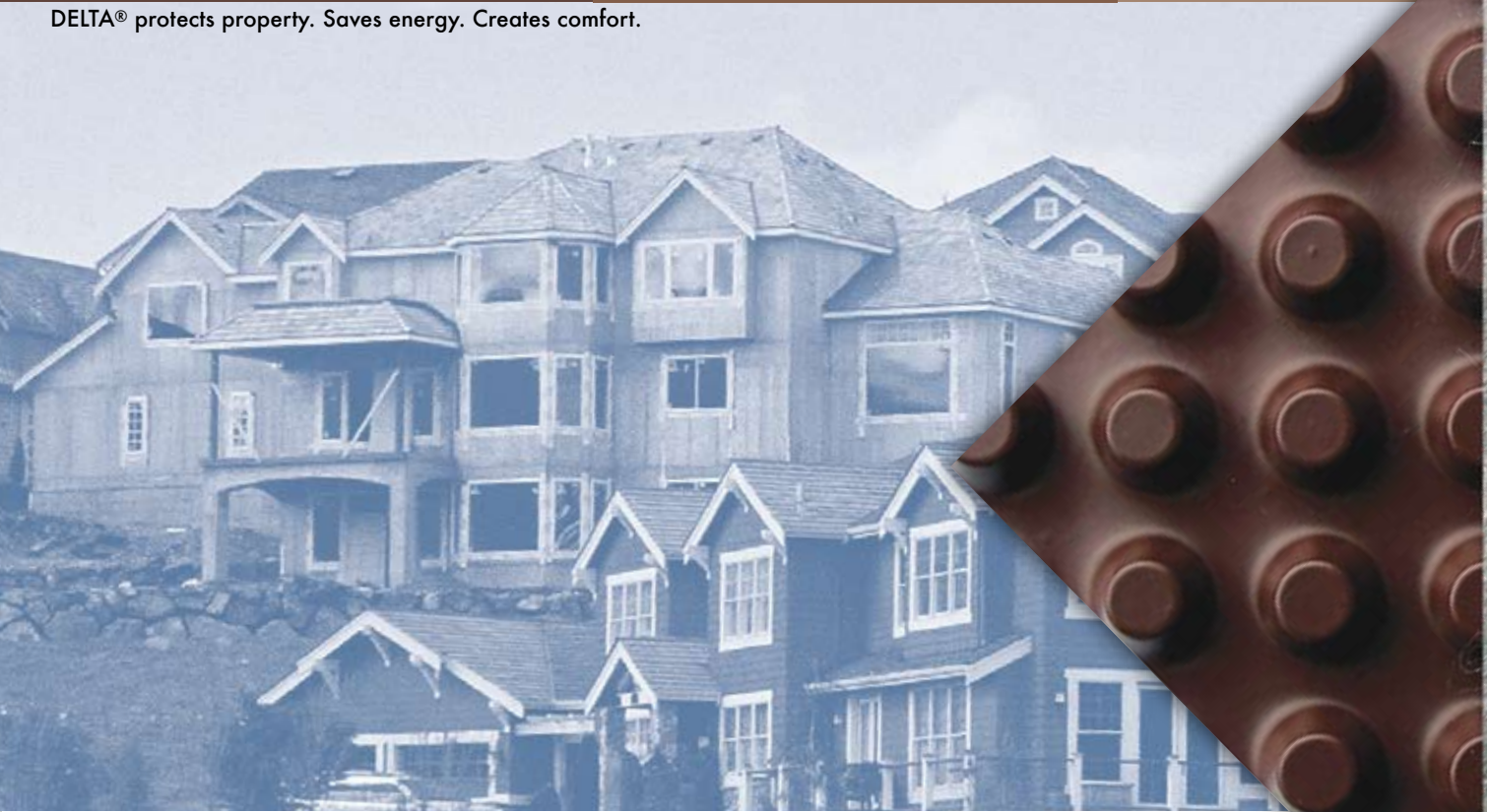


DELTA®

DELTA® protects property. Saves energy. Creates comfort.



COSELLA DÖRKEN

DELTA®-DRAIN

PREMIUM QUALITY

Systems For Building Healthier Homes.™

Below grade foundation waterproofing for masonry and poured concrete structures.



■ Drainage and protection system

■ For relief of hydrostatic pressure

■ Outstanding performance in hillside construction/ applications

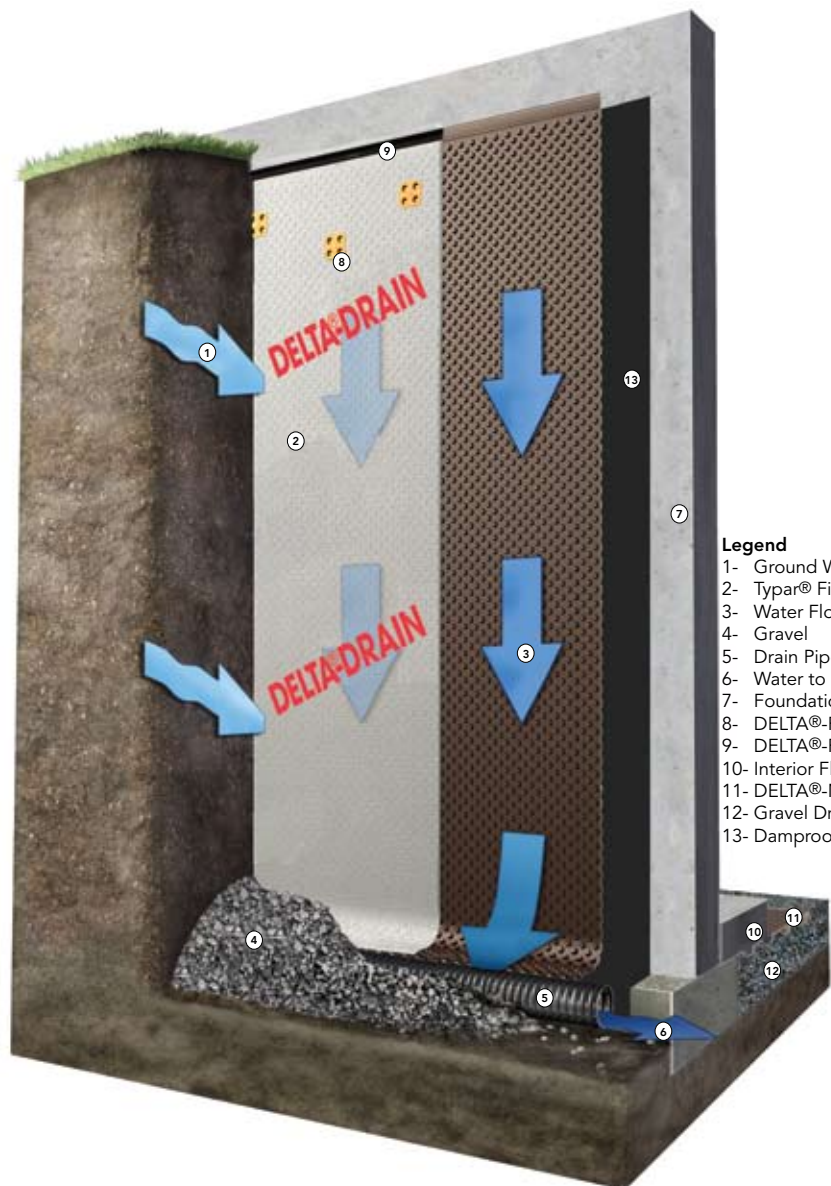
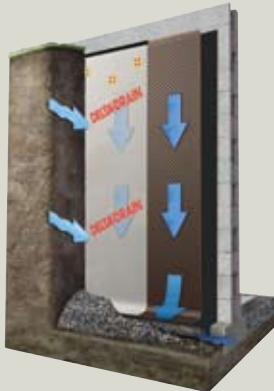
Reliable Long Term Protection

DELTA[®]-DRAIN

For permanently dry basements.

PREMIUM QUALITY

DELTA[®]-DRAIN is a highly effective drainage membrane on poured concrete as well as block foundations.



Legend

- 1- Ground Water Seepage
- 2- Typar[®] Filter Fabric
- 3- Water Flow Through Core
- 4- Gravel
- 5- Drain Pipe
- 6- Water to Collector Pipe/Sump
- 7- Foundation Wall
- 8- DELTA[®]-FAST[™]ner
- 9- DELTA[®]-FLASH
- 10- Interior Floor
- 11- DELTA[®]-MS Underslab
- 12- Gravel Drainage Layer
- 13- Dampproofing/Waterproofing



DELTA®-DRAIN is a premium drainage system used when homes are built into **steep hillsides** or in areas of a high water table. These conditions require more rapid drainage of ground water and relief of hydrostatic pressure. DELTA®-DRAIN is used with damproofing or waterproofing on all foundations.

Product Description

DELTA®-DRAIN is an effective method to control the flow of damaging soil moisture and hydrostatic pressure through cracks and gaps in below grade structures. DELTA®-DRAIN is an essential element of a complete waterproofing system.

Function

DELTA®-DRAIN is comprised of a multi-layer geocomposite combining a high density polyethylene core with a geotextile, bonded to the core for lasting durability. DELTA®-DRAIN creates an essential path

for the vertical and horizontal drainage of soil moisture and filtering of soil particles while offering hydrostatic pressure relief.

Applications

- Hillside Construction
- Retaining Walls
- Residential and small commercial foundations

Benefits

DELTA®-DRAIN has been successfully used in a wide variety of exterior applications where redirection of ground water and pressure relief are primary concerns.

DELTA®-DRAIN's large sizes make installation faster. Extra height and width means less material overlap, less seams, less labor, which leads to an important point: - less cost.

DELTA®-DRAIN is used in conjunction

with damproofing or waterproofing

Advantages

DELTA®-DRAIN is a convenient and environmentally sound subsurface drain board that is specially designed for easy use and versatile applications.

High flow capacity ensures effective drainage for residential and light commercial foundations.

DELTA®-DRAIN also enhances/protects waterproofing and relieves hydrostatic pressure buildup against foundation walls.



Technical Data

Properties	Test Method	
CORE		
Color	Brown	
Weight	ASTM D-3776-96	1.9 oz/ft ² (580 g/m ²)
Compressive Strength	ASTM D-1621-00	5,200 psf (250 kN/m ²)
Dimple Height	ASTM D-1777-96	5/16" (8 mm)
Material	HDPE	
FILTER FABRIC		
	Tygar 3401	
Grab Tensile	ASTM D-4632-91	130 lbs (580 N)
Elongation	ASTM D-4632-91	60%
Trapezoidal Tear	ASTM D-4533-91	60 lbs (267 N)
Puncture Resistance	ASTM D-4833-00	41 lbs (182 N)
Mullen Burst	ASTM D-3786	140 psi (965 kPa)
Apparent Operating Size	ASTM D-4751-99	70 sieve size (0.21mm)
Permittivity	ASTM D-4491-99	0.7 sec ⁻¹
Water Flow Rate	ASTM D-4491-99	60 gpm/ft ² (2460 l/s/m ²)
Weight Typical	ASTM D-5261-92	4.0 oz/yd ² (135 g/m ²)
UV Resistance	ASTM D-4355-92	70% (500 hours)
Material	PP	
COMPOSITE SYSTEM		
Water Flow Rate (V)(GR=1)	ASTM D-4716-03	8.8 gal/min/ft (109 L/min/m)
Water Flow Rate (H)(GR=0.1)	ASTM D-4716-03	2.4 gal/min/ft (30 L/min/m)
Roll Size	6ft x 65.6ft (1.83m x 20m) 8ft x 65.6ft (2.45m x 20m)	
Roll Weight - 6ft/1.83m	60lbs (27.2 kg)	
Roll Weight - 8ft/2.45m	73lbs (33.3 kg)	

DELTA®

COSELLA DÖRKEN

Cosella-Dörken Products Inc.
4655 Delta Way
Beamsville, Ontario
L0R 1B4
(905) 563-3255
Fax: (905) 563-5582
1-888-4 DELTA 4
info@cosella-dorcken.com
DELTADRAIN.com

A company of the Dörken Group

The information printed in this brochure reflects product information and specifications at the date of printing. The manufacturer reserves the right to make changes when necessary.



DELTA®-branded quality products manufactured by Cosella-Dörken.