

DELTA<sup>®</sup> protects property. Saves energy. Creates comfort.



# DELTA<sup>®</sup>-DRAIN

## The direct route for re-directing ground water.

Premium Drainage System for Residential and Light Commercial Foundations.



PREMIUM QUALITY



■ Foundation drainage and protection system

■ Prevents build-up of hydrostatic pressure

■ Excellent drainage capacity

**Cosella-Dörken  
Leading by Technical  
Competence.**

**Reliable Long Term Protection:**

# DELTA<sup>®</sup>-DRAIN

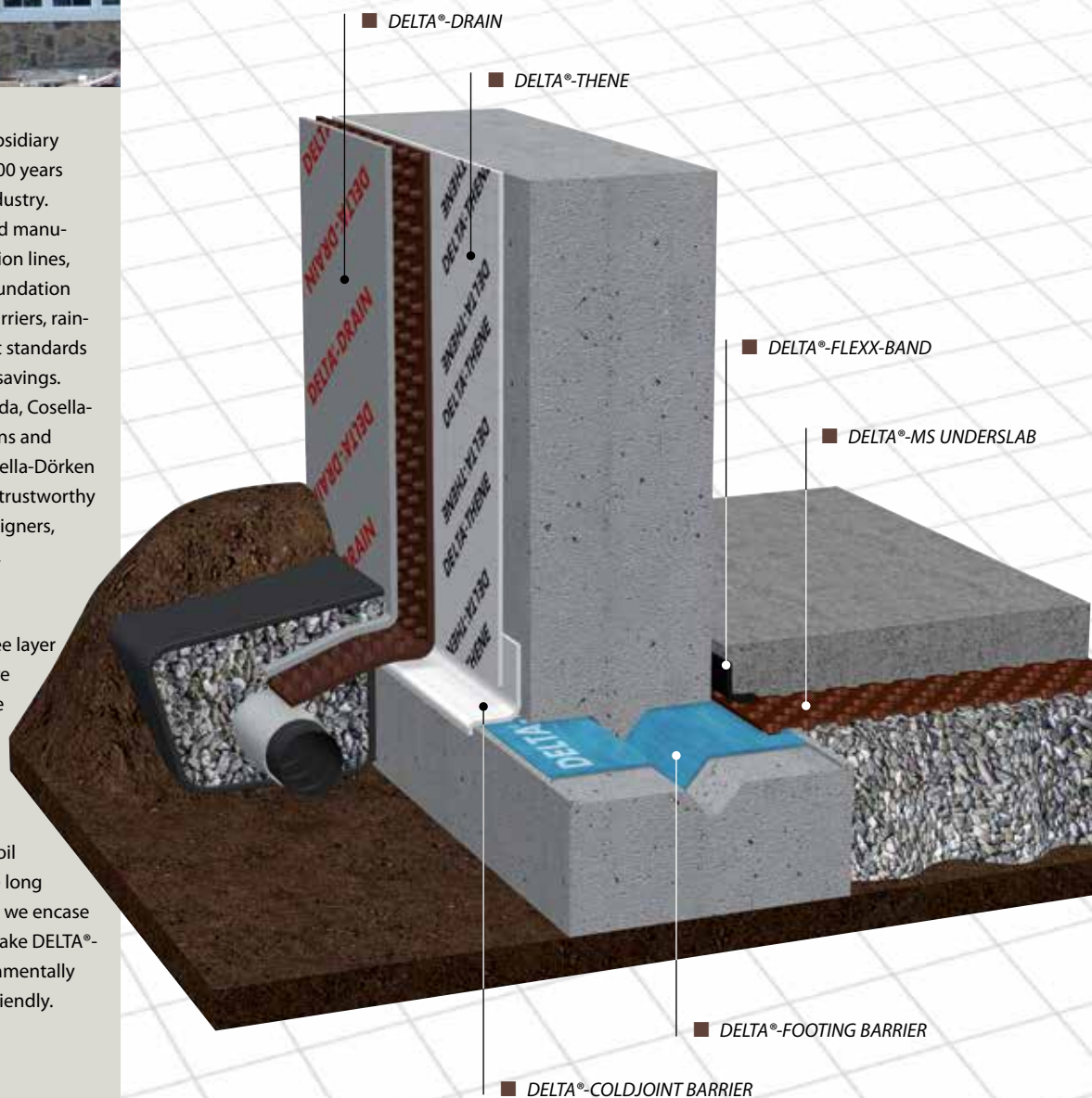
## For Horizontal and Vertical Drain



Cosella-Dörken Products, Inc. is a subsidiary of the Dörken Group that has over 100 years of experience in the construction industry. Developed from innovative ideas and manufactured on state-of-the-art production lines, the premium quality products for foundation protection, air and water-resistive barriers, rain-screens, and roofing membranes, set standards for reliability, durability, and energy savings. Located in Beamsville, Ontario, Canada, Cosella-Dörken provides customized solutions and products of outstanding quality. Cosella-Dörken Products, Inc. is and always will be a trustworthy and highly respected partner for designers, architects, distributors and installers.

### A Word on Sustainability

DELTA<sup>®</sup>-DRAIN uses an exclusive three layer co-extrusion process. The central core contains 100% recycled material. The two outer layers are virgin polyethylene. Using recycled polyethylene is environmentally responsible. But recycled material without protection deteriorates quickly in normal soil conditions. A home wouldn't get the long term protection it needs. That is why we encase recycled in virgin polyethylene; to make DELTA<sup>®</sup>-DRAIN sustainable, too. Truly environmentally responsible. Truly environmentally friendly.



PREMIUM QUALITY





Simple overlap detail.



Easy installation with DELTA®-FAST'ners.



DELTA®-MOLDSTRIP for secure terminations.

# Application Applications.

## DELTA®-DRAIN ...

- ... drains water away from foundation wall.
- ... high drainage capacity.
- ... prevents build-up of hydrostatic pressure.
- ... highly effective protection layer for water-proofing.
- ... special geotextile will not rot and prevents clogging of the flow passages.
- ... high compressive strength.
- ... high impact resistance, high chemical and environmental stress crack resistance.
- ... unaffected by environmental influences, like acidic soils or alkalinity (concrete).
- ... contains 100% recycled core protected on both sides with virgin HDPE for superior durability.
- ... easy to install.
- ... exclusive dimple pattern allows for easy corner installation.
- ... 8' size rolls for fewer material overlaps, less seams, less labor.
- ... for horizontal and vertical applications.
- ... approved by the National Building Code (CCMC 13209-R)



DELTA®-FAST'ners hold DELTA®-DRAIN tightly to foundation wall.



Bend DELTA®-DRAIN at footing to drain water away from cold joint.



# DELTA®-DRAIN

## Technical Data Overview:

Color	drainage core: chocolate brown, geotextile: grey
Material	drainage core: recycled & virgin HDPE, geotextile: PP
Dimple height	5/16" (8 mm) ASTM D6364-06
Compressive strength	approx. 5,200 psf (250 kN/m <sup>2</sup> ) ASTM D6364-06
Water penetration resistance (core)	>120 psi (815 kPa) Watertight AATCC 127-1995
Flow rate / unit with	5.2 gal/min/ft (65 l/min/m) ASTM D4716-08 @ hydr. grad. 1.0; 180 kPa
Flow rate / unit with	4.1 gal/min/ft (17.4 l/min/m) ASTM D4716-08 @ hydr. grad. 0.1; 180 kPa
Application Temperature	-22° F to +176° F (-30° C to +80° C)
Chemical properties	Excellent chemical resistance, resistant to root penetration
Toxicity	non-toxic, non-polluting
Roll dimensions / weight	6' x 65'-7" (1.83 m x 20 m) 60 lbs (27.2 kg) 8' x 65'-7" (2.45 m x 20 m) 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 for DELTA®-DRAIN.

Cosella-Dörken makes your life easier – systematically.



**DELTA®-FAST'ner**  
multistud fastener for the secure attachment of DELTA®-DRAIN.



**DELTA®-MOLDSTRIP**  
used at terminations of DELTA®-DRAIN.



**DELTA®-SEALANT**  
elastic sealing compound used at overlaps and penetrations.



**DELTA®-SCREW FAST'ner**  
used to fasten DELTA®-DRAIN to perimeter insulation.



**DELTA®-DRAIN PROFILE**  
termination edge for DELTA®-DRAIN over perimeter insulation.



**DELTA®-GRIP FAST'ner**  
attachment aid for perimeter insulation over waterproofing.

# DELTA®



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