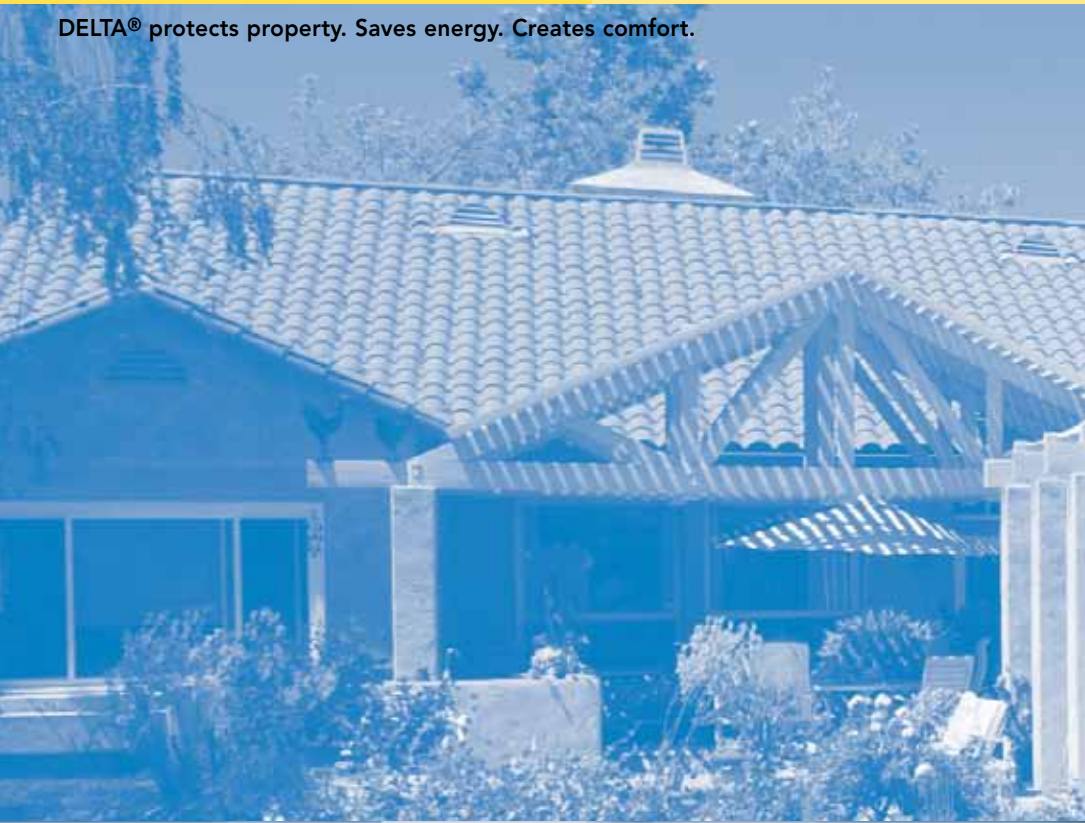


DELTA<sup>®</sup> protects property. Saves energy. Creates comfort.



## DELTA<sup>®</sup>-VENT S

### Highly Breathable Underlayment For Maximum Security.<sup>™</sup>

- 3-ply roof underlayment for sheathed roofs.
- Breather membrane - approx. 120 perms.
- Ensures vapor and moisture can escape freely, preventing rot & mold in your home.



PREMIUM QUALITY

■ Highly vapor permeable roof underlayment.

■ For ventilated or fully insulated pitched roofs.

■ For new construction and re-roofing

**Need Optimum  
Protection on Your  
Pitched Roof? DELTA®  
Has the Right System!**

**The Excellent Choice for Pitched Roofs:**

# DELTA®-VENT S

## The Underlayment for Outstanding



■ **Outside:**

**DELTA®-VENT S**

DELTA®-VENT S is highly vapor-permeable (approx. 120 perms), allowing moisture within the roof to escape outside. It also prevents windblown snow and rain from penetrating the roof.

■ **Inside:**

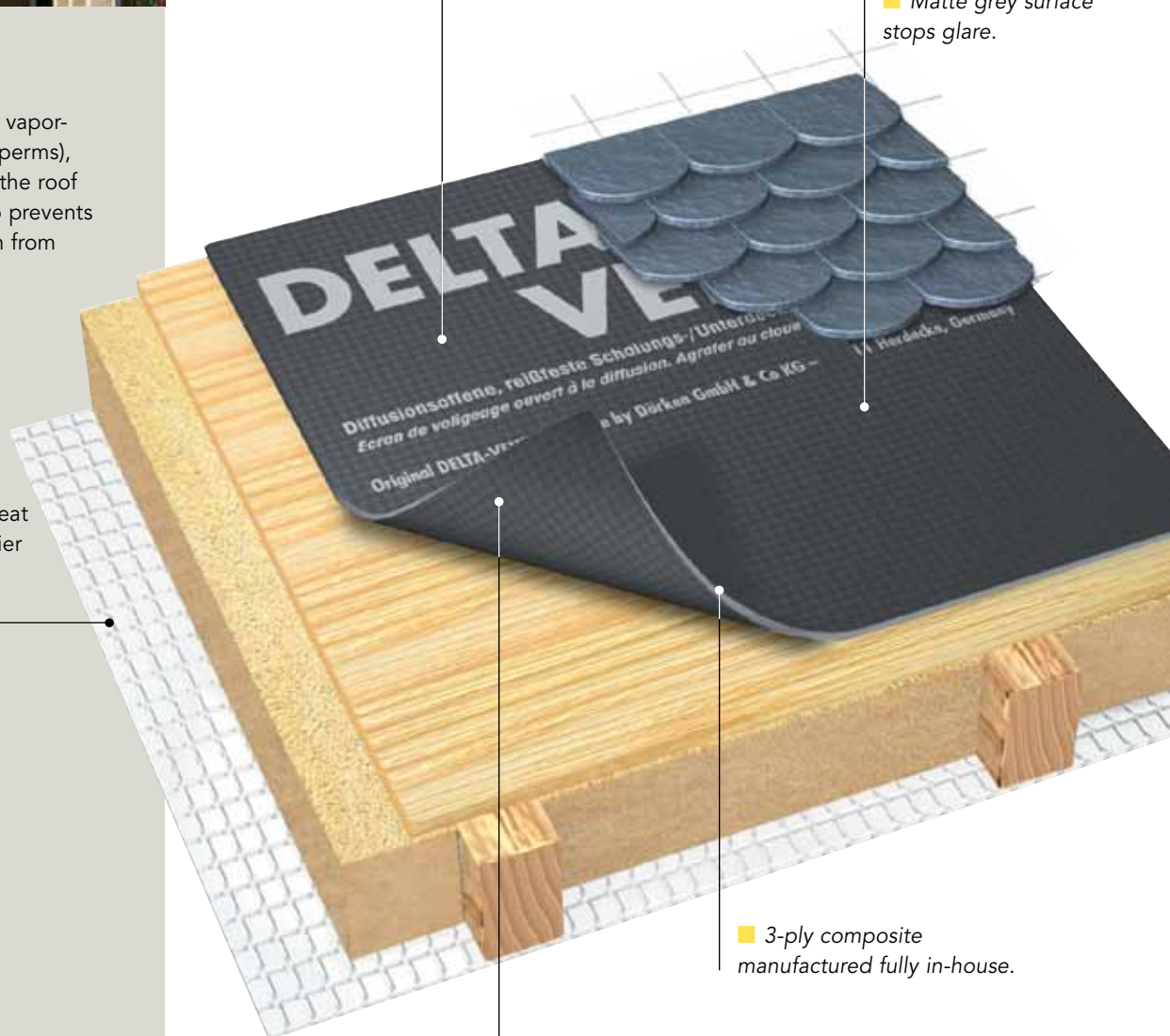
**DELTA®-REFLEX**

Air and Vapor barrier sheet. Provides up to 10% increase in thermal insulation, 50% radiant heat reflection and 100% barrier against air and vapor.

■ *Watertight, reliable protection from rain and driven snow.*

■ *Physically strong yet vapor-permeable – spun-bonded PP composite breather membrane.*

■ *Matte grey surface stops glare.*



■ *3-ply composite manufactured fully in-house.*

■ *Rugged nonwoven on lower surface.*

**PREMIUM QUALITY**



Very tear-resistant. Extraordinarily sure footing.



Product identification markings serve as guide for overlap edge.



Watertight connections and overlaps with DELTA®-THAN sealant.

# ing Performance in Sheathed Roofs.

## DELTA®-VENT S ...

- ... is a strong spun-bonded polypropylene composite breather membrane.
- ... is laminated by a special ultrasonic welding process ensuring secure layer bonding.
- ... is extremely rugged and withstands rough treatment on the site.
- ... includes a fabric mat layer on lower side which protects against damage e.g. from roughly sawed sheathing.
- ... is matte grey in colour, preventing blinding glare.
- ... is lightweight – only 0.029 lb/ft<sup>2</sup> (140 g/m<sup>2</sup>) making installation easy and safe.
- ... unrolls quickly and well aligned without fish mouths or buckles.
- ... will not get damaged by normal site handling such as being pulled or walked on.
- ... withstands outdoor weathering (UV-light) for up to 3 months.

**Evaluation Report (Certification)**  
ICC-ESR 2625



DELTA®-VENT S, the 3-ply composite, provides for secure and fast installation.

## The Recommended System.

### Outside ...

... DELTA®-VENT S, the strong, installer-friendly roofing underlay for fully insulated or ventilated pitched roofs with sheathing.

### Inside ...

... DELTA®-REFLEX air and vapor barrier. An energy-saving sheet made of rugged, highly flexible 4-ply material. Reflects heat and saves on heating costs. Provides protection from electrical smog.

Needless to say, we have a range of perfect accessories, which you can find additional information about on the next page.



# DELTA®-VENT S

## Technical Data (typical values):

Material	Spun-fibre material combined with a waterproof intermediate breather layer
Application	On pitched roofs with rigid sheathing, under any roof cladding.
<b>ASTM E96 (Proc. B)</b>	
Water Vapor Transmission	820 g/m <sup>2</sup> 24h
Permeance	6850 ng/Pa/s/m <sup>2</sup>
Perms	120 grains/h/ft <sup>2</sup> /in Hg
<b>ASTM D5035</b>	
MD: Breaking Load	75 lb/2 in. (337 N/50mm)
MD: Elongation at break	25 %
CD: Breaking Load	47 lb/2 in. (210 N/50mm)
CD: Elongation at break	65 %
<b>ASTM D1922</b>	
MD: Tear resistance	1078 g
CD: Tear resistance	1588 g
<b>ASTM D4533</b>	
MD: Tearing Strength	21 lb (96 N)
CD: Tearing Strength	14 lb (65 N)
<b>ASTM D751</b>	
MD: Tearing Strength	N.M.
CD: Tearing Strength	49 N
<b>AATCC Test Method 42-2000</b>	
Water impact resistance	pass
<b>CAN/CGSB-4.2 No 26.3</b>	
Resistance to water penetration	642 cm
<b>ASTM D3462-03 section 8.1.11</b>	
Pull-Through Force	133 N
Service temperature range	-40°F to 176°F (-40°C to +80°C)
Roll weight	approx. 24 lb (11 kg)
Roll size	164 ft x 4.92 ft (50 m x 1.5 m) (8 squares)
Due to variable weather and UV conditions, we recommend efficient covering of the roof underlayment.	

# DELTA®-Accessories for DELTA®-VENT S.

DELTA® System makes life easier with these accessories.



## DELTA®-MULTI-BAND

All-round adhesive tape featuring top adhesion. For all DELTA® sheets for interior and exterior application, particularly for sealing overlaps and openings, and repairing tears.



## DELTA®-FLEXX-BAND

Stretchable sealing tape for inner and outer connections to structural details such as skylights, dormer windows, exhaust pipes, cables, etc.



## DELTA®-THAN

Permanently elastic sealing compound for fixing and seam jointing of DELTA® sheet products. Can also be used to secure connections.



# DELTA®

### ... for owners:

"... What I get is a mature problem solution provided at a fair price by the top specialist in quality branded products!"

### ... for contractors:

"... What I get is a complete system made by a single manufacturer that enables me to do anything to the owner's entire satisfaction. There is no safer way!"

### ... for planners:

"... I can be certain that innovative products will be used in implementing my roof and cellar plans in a systematic and forward-looking way."

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.

■ Detailed installation instructions for all DELTA® products may be obtained from **cosella-dorcken.com** as PDF files for you to print out and save.

DELTA® stands for quality products that you can trust  
- manufactured in-house by Dörken.

**COSELLA DÖRKEN**  
Cosella-Dörken Products Inc.  
4655 Delta Way  
Beamsville, Ontario  
LOR 1B4  
(905) 563-3255  
Fax: (905) 563-5582  
1-888-4 DELTA 4  
info@cosella-dorcken.com  
delta-vents.com  
A company of the Dörken Group