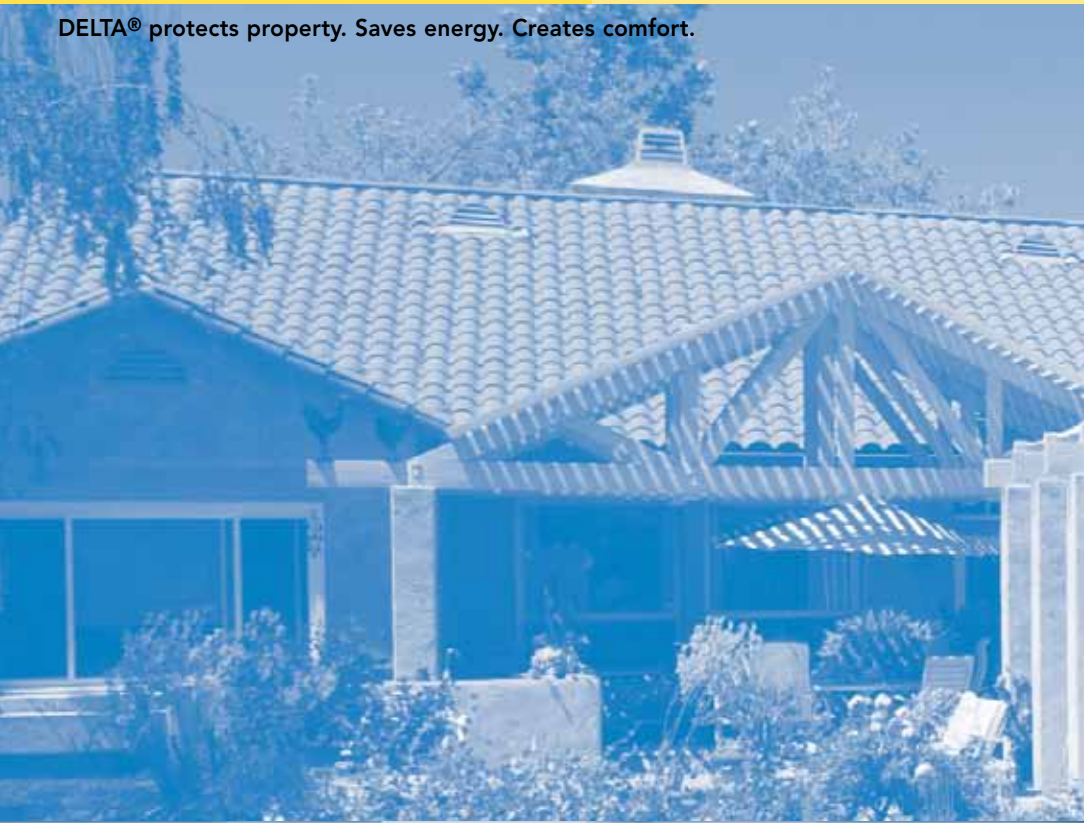


DELTA[®] protects property. Saves energy. Creates comfort.



DELTA[®]-VENT S

Highly Breathable Underlayment For Maximum Security.[™]

- 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:**

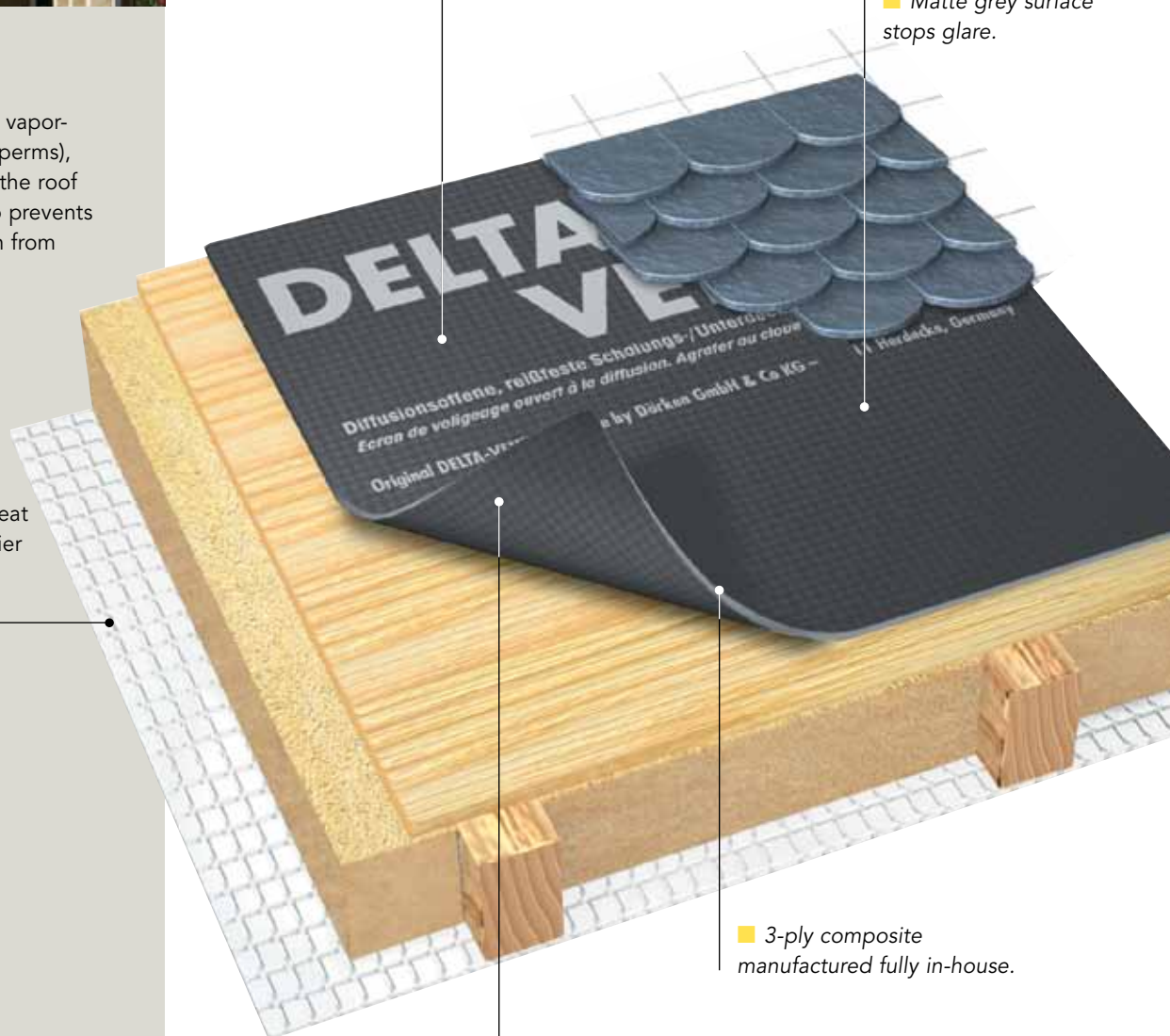
DELTA®-REFLEX

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/ft² (140 g/m²) 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.
ASTM E96 (Proc. B)	
Water Vapor Transmission	820 g/m ² 24h
Permeance	6850 ng/Pa/s/m ²
Perms	120 grains/h/ft ² /in Hg
ASTM D5035	
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 %
ASTM D1922	
MD: Tear resistance	1078 g
CD: Tear resistance	1588 g
ASTM D4533	
MD: Tearing Strength	21 lb (96 N)
CD: Tearing Strength	14 lb (65 N)
ASTM D751	
MD: Tearing Strength	N.M.
CD: Tearing Strength	49 N
AATCC Test Method 42-2000	
Water impact resistance	pass
CAN/CGSB-4.2 No 26.3	
Resistance to water penetration	642 cm
ASTM D3462-03 section 8.1.11	
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.

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