

DELTA®

DELTA® protects property. Saves energy. Creates comfort.

DÖRKEN

DELTA®-VENT N

The Tough Sheet for Perfect Thermal Insulation.

3-Ply Underlay for Pitched Roofs.

Breather Membrane – S_d Value of approx. 0.02 m.



Also as DELTA®-VENT N PLUS, with
integrated self-adhesive border.

■ Nonsheathed
roofing
underlay

■ For fully
insulated
pitched roofs

■ New
construction

STANDARD QUALITY

**Need Optimum Thermal
Insulation on Your
Steep-Pitched Roof?
DELTA® Has the Right
System!**



■ **Outside:**
DELTA®-VENT N
DELTA®-VENT N is highly vapour-permeable (S_d value: approx. 0.02 m), allowing moisture within the roof to escape outside. It also prevents wind-blown snow and rain from penetrating the roof.

■ **Inside:**
**DELTA®-REFLEX/
DELTA®-REFLEX PLUS**
Vapour barrier sheet.
Provides 10 % increase in thermal insulation, 50 % heat reflection, 100 % barrier against air and vapour.

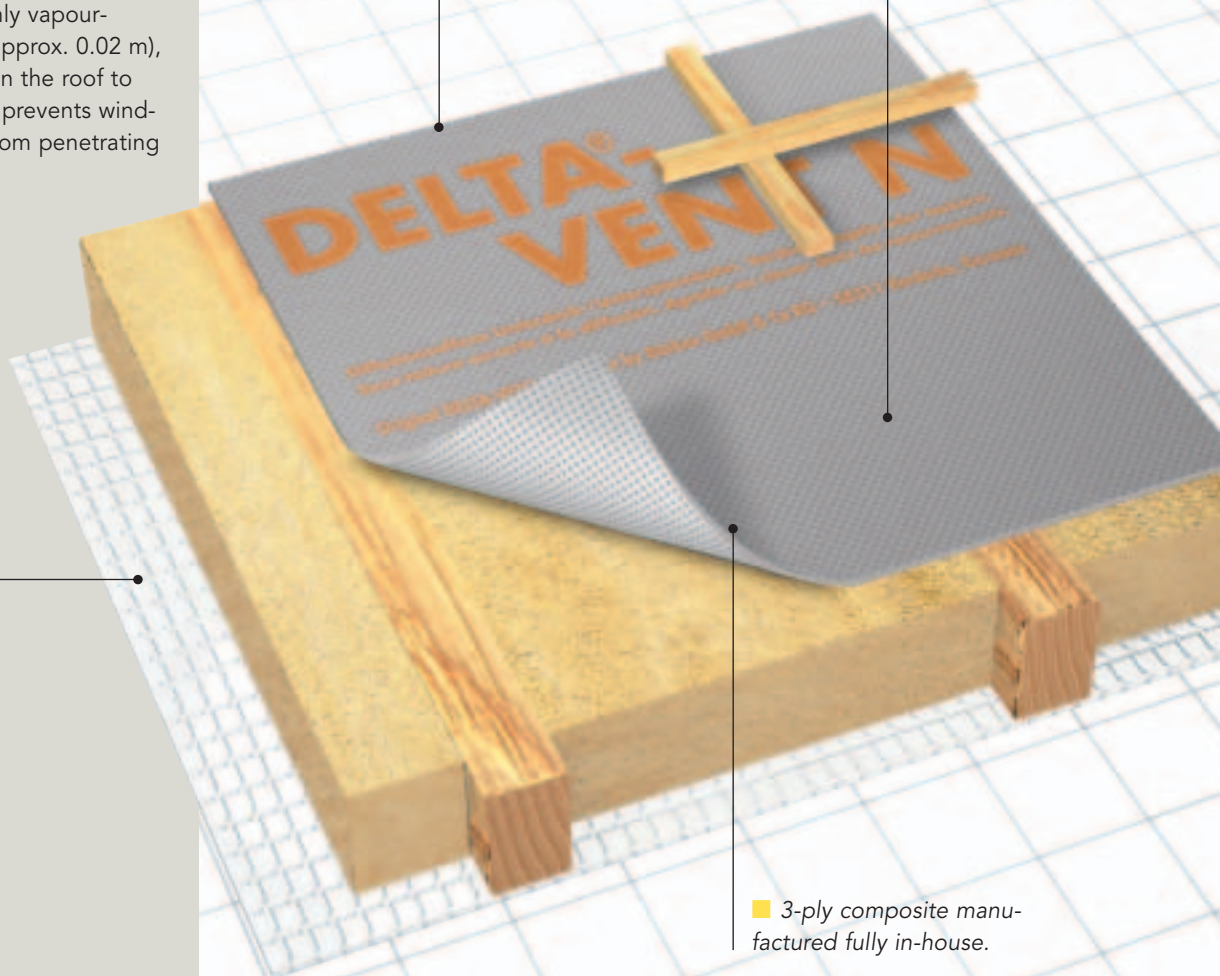
At Home on Pitched Roofs:

DELTA®-VENT N

The Professional Roofing Under

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

■ *Matte grey surface stops glare.*



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

DELTA® quality branded products made by Dörken.

STANDARD QUALITY



Product identification markings serve as a guide for overlap edge.

Detail for skylight.

Wind-tight installation with DELTA®-VENT N PLUS.

Play for Full Utilization of Rafter Height.

DELTA®-VENT N ...

- ... 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 rafters.
- ... is matte grey in colour, preventing blinding glare.
- ... is lightweight – only approx. 130 g/m² – making installation easy and safe.
- ... unrolls quickly and well aligned without skewing or buckles.
- ... is not damaged by normal site handling such as being pulled or walked on.
- ... is fire resistant.

DELTA®-VENT N PLUS with the integrated self-adhesive border provides a faster windtight installation.



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

Why not profit from the DELTA®System?

Outside ...

... DELTA®-VENT N, the strong, installer-friendly roofing underlay for fully insulated pitched roofs without sheathing.

Inside ...

... a DELTA®-REFLEX air and vapour barrier; as DELTA®-REFLEX PLUS with integrated self-adhesive border. 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, of which you find additional information on the next page.

DELTA®-VENT N

Technical Data Overview:

Material	3-ply, high-strength spun-bonded PP breather membrane.
Application	Roofing underlay for non-sheathed roofs insulated to full rafter height.
Fire resistance	Class E (EN 13501-1)
Tensile strength	approx. 220/150 N/5 cm (EN 12311-1+2)
Watertightness	Watertight W 1 (EN 13859-1+2)
S _d value	approx. 0.02 m
Service temperature range	-40°C to +80°C
Weight	approx. 130 g/m ²
Roll weight	approx. 9 kg
Roll size	50 m x 1.5 m

Due to variable weather and UV conditions we recommend the efficient covering of our sheets.

DELTA®-Accessories for DELTA®-VENT N.

Dörken makes your life easier – systematically.

You are sure to appreciate these handy DELTA®-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®-THAN

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



DELTA®-FLEXX-BAND

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

DELTA®

DELTA® System ...

... for owners:

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

... for workers:

" ... 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 both innovative and standard products will be used in implementing my roof and cellar plans in a systematic and forward-looking way."



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A company of the Dörken Group.

■ **Standard requests for tender and detailed installation instructions** for all DELTA® products may be obtained from www.doerken.de as PDF files for you to print out and save.