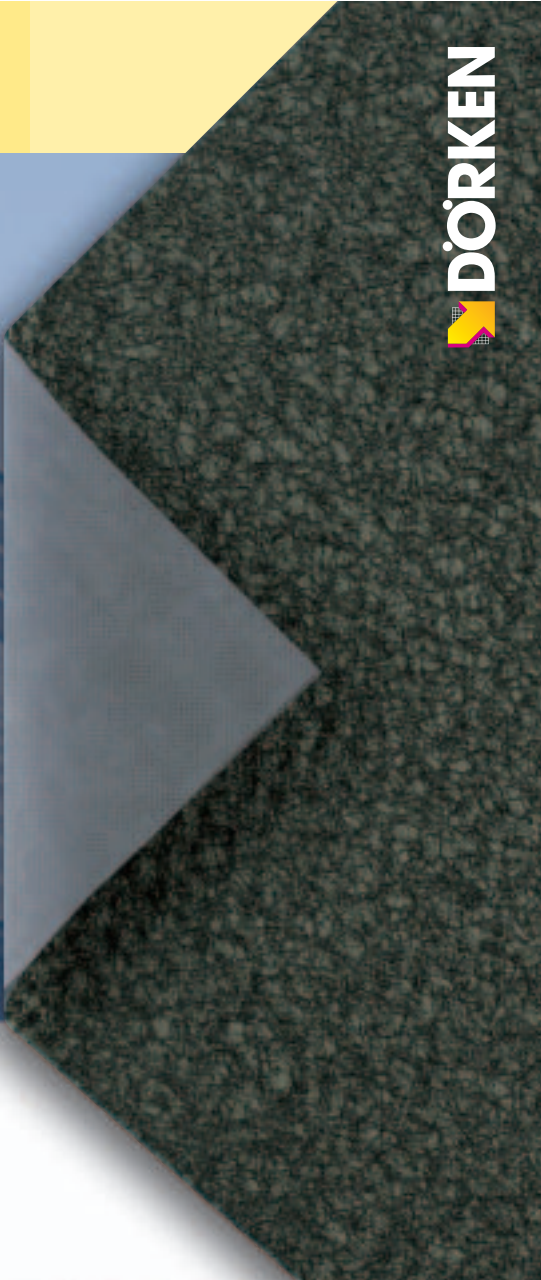


DELTA<sup>®</sup> protects property. Saves energy. Creates comfort.



## DELTA<sup>®</sup>-TRELA

**The optimum underlay  
for metal-clad roofs.**

For perfect protection against corrosion and moisture. Elastic, sound-absorbing breather membrane.



PREMIUM QUALITY

Also as DELTA<sup>®</sup>-TRELA PLUS, with integrated self-adhesive border.

■ Textured air-gap sheet

■ For all pitched metal-clad roofs

■ New construction refurbishment

**Need Optimum  
Protection of Your  
High-Quality Cladding?  
Get It With  
DELTA® System!**



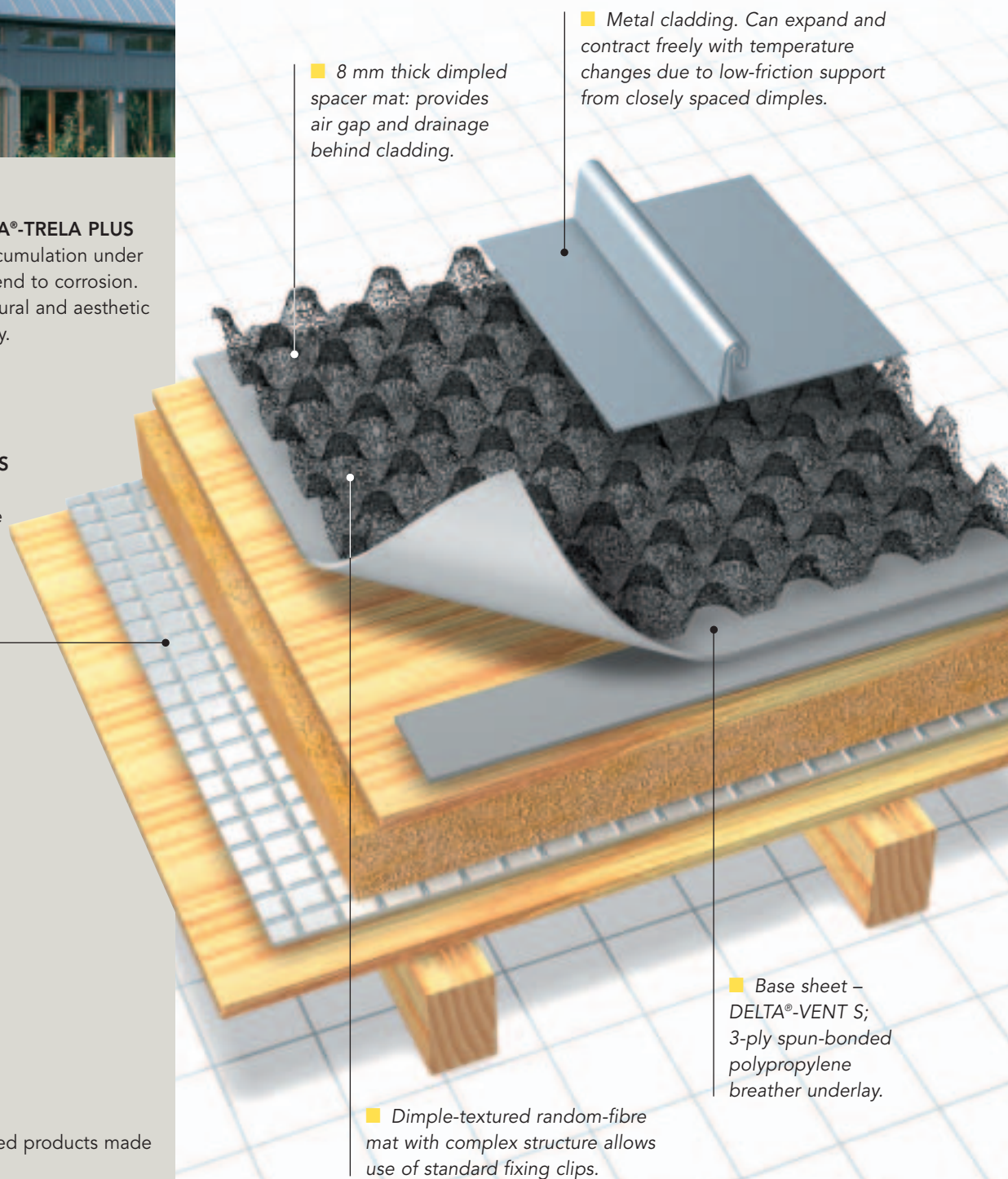
■ **Outside:**  
**DELTA®-TRELA/DELTA®-TRELA PLUS**  
Prevents moisture accumulation under metal roofs. Puts an end to corrosion. Protects the architectural and aesthetic value of your property.

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

**Preserve the Shiny New Look of Your Metal-Clad Roof:**

# **DELTA®-TRELA**

## **Prevents Moisture Build-Up. St**



■ **8 mm thick dimpled  
spacer mat: provides  
air gap and drainage  
behind cladding.**

■ **Metal cladding. Can expand and  
contract freely with temperature  
changes due to low-friction support  
from closely spaced dimples.**

■ **Base sheet –  
DELTA®-VENT S;  
3-ply spun-bonded  
polypropylene  
breather underlay.**

■ **Dimple-textured random-fibre  
mat with complex structure allows  
use of standard fixing clips.**

DELTA® quality branded products made  
by Dörken.



Simple and fast installation.

Permits expansion and contraction of cladding panes.

Nonslip dimple texturing, not damaged when walked on.

## ops Corrosions. Absorbs Rainfall Noise.

### DELTA®-TRELA ...

- ... is an elastic, air-gap textured breather sheet.
- ... can be used in all types of metal-clad pitched roofs and metal-clad walls.
- ... consists of a base sheet laminated with a 8 mm thick dimple-textured random-fibre mat.
- ... provides a permanent air gap under the cladding.
- ... drains off moisture.
- ... allows residual water vapour in rafters and sheathing to escape due to the high permeability ( $S_d$  value approx. 0.02 m) of the base sheet.
- ... reduces rain and hail pelting noise by up to 15 dB (certified by test report from Scientific and Technical Construction Centre, Brussels/ Belgium).
- ... has closely spaced dimple texturing for reduced friction, permitting free thermal expansion and contraction of cladding.
- ... can be installed in any direction required, e. g. at structural details.

DELTA®-TRELA PLUS with integrated self-adhesive border provides a faster windtight installation.



DELTA®-TRELA is the optimum air-gap sheet for high-quality metal roofs.

### Why not profit from the DELTA® System?

#### Outside ...

... DELTA®-TRELA: the rugged air-gap/breather membrane composite. Protects immediately after installation and from there on out.

#### 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®-TRELA

## Technical Data Overview:

Base sheet	DELTA®-VENT S 3-ply, spun bonded polypropylene breather underlay.
Dimpled air-gap layer	Polypropylene random-fibre mat.
Dimple height	approx. 8 mm
Fire resistance	Class E (EN 13501-1)
S <sub>d</sub> value	approx. 0.02 m
Roll covering width	1.40 m
Weight	approx. 380 g/m <sup>2</sup>
Roll weight	approx. 17.1 kg
Roll size	30 m x 1.5 m

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

# DELTA®-Accessories for DELTA®-TRELA.

Dörken makes your life easier – systematically.

You are sure to appreciate these handy DELTA®-Accessories:



## DELTA®-PREN

Specially formulated mastic adhesive for sealing of overlap joints. Alternative: DELTA®-TRELA PLUS.



## DELTA®-DICHTNAGEL

Galvanized wide-head nails with EPDM sealing gasket – included with every roll.



## DELTA®-THAN

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

# 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](http://www.doerken.de) as PDF files for you to print out and save.