

DELTA[®]-REFLEX

**100% air- and vapour-tight!
Who can top that?**

The rugged, highly flexible 4-layer material.
Saves energy and cuts costs.



Also as DELTA[®]-REFLEX PLUS, with
integrated self-adhesive border.



■ Vapour
barrier sheet

■ For all
roof designs

■ New construction
and
refurbishment

The new dimension
in energy savings?
It's DELTA®-System!

DELTA®-REFLEX

10% More insulation. 50% Heat



■ Inside:

DELTA®-REFLEX/DELTA®-REFLEX PLUS
Energy-Saver vapour barrier sheet

Fulfils the requirements of DIN 4108 in all ventilated and non-ventilated roof constructions when used in combination with DELTA®-Roof underlays and conventional insulation materials.

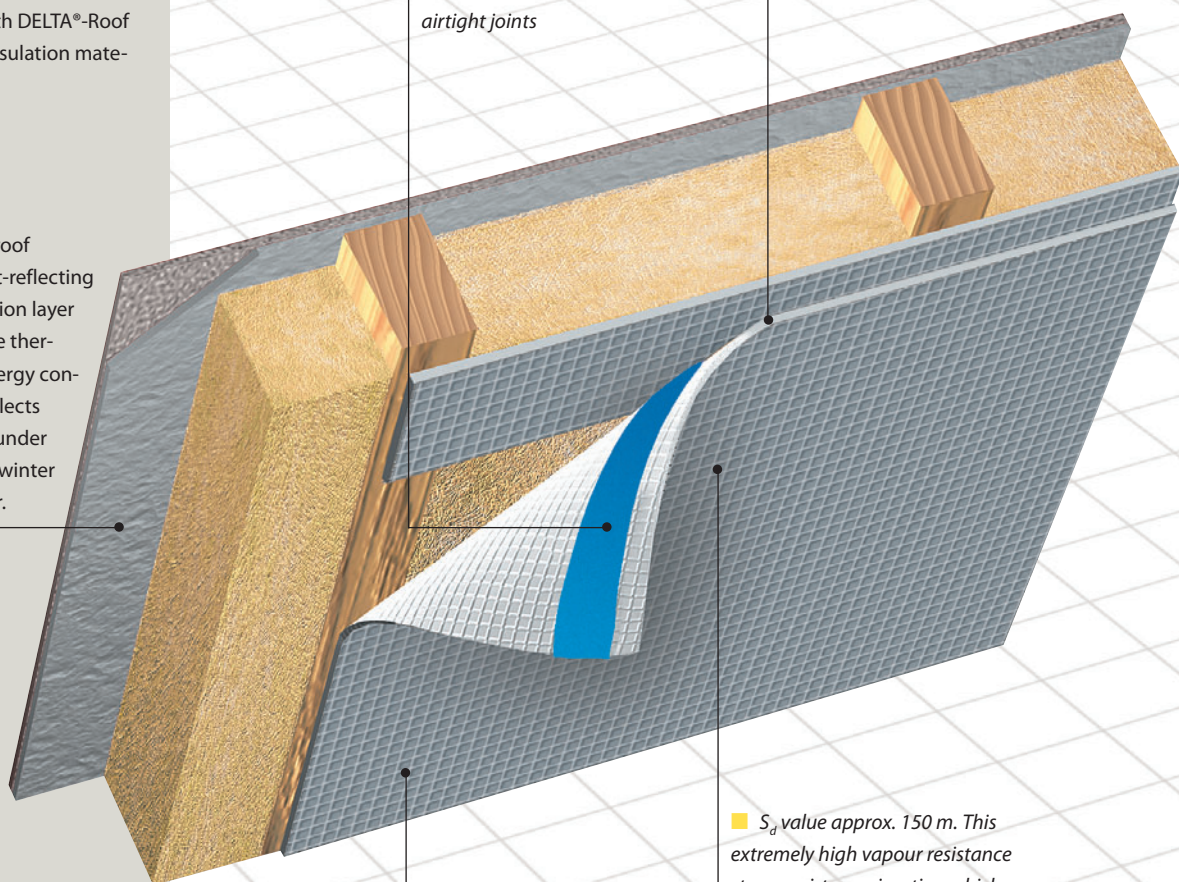
■ Outside:

DELTA®-MAXX TITAN
Thermomembrane

Breathable, water- and windproof roofing membrane with a heat-reflecting surface, a moisture-accumulation layer and a self-adhesive border. The thermomembrane lowers heat-energy consumption by up to 9 % and reflects up to 50 % radiant heat. Thus under the roof it is nice and warm in winter and pleasantly cool in summer.

■ 4-layer composite.
Rugged, strong, flexible
and easy to install

■ DELTA®-REFLEX PLUS
with integrated self-
adhesive border for
airtight joints



■ S_d value approx. 150 m. This extremely high vapour resistance stops moisture migration which can cause serious damage to the insulation and the roof system

■ High shielding effectiveness against electrosmog

DELTA®-Quality branded products made by Dörken. Warranties are on file with the National Roofers' Association.



DELTA®-REFLEX PLUS with integrated self-adhesive border.

Typical application on lightweight industrial roof.

Installation is made easy by DELTA®-System components.

reflection. 100% air- and vapour-tight.

DELTA®-REFLEX ...

- ... enhances thermal insulation by up to 10 %.
- ... achieves 50 % heat reflectance as certified by Fraunhofer Institute in Freiburg/Germany.
- ... shields off up to 99 % of hazardous electromagnetic radiation.
- ... creates a 100 % air-and vapourtight seal.
- ... maintains a perfect air- and vapourtight seal at all overlap seams and connections joined with DELTA®-TIXX sealant, DELTA®-KOM-BAND, DELTA®-POLY-TAPE and DELTA®-FLEXX-BAND.
- ... is fire resistant Class E (EN 13501-1), B 1 rating (DIN 4102).
- ... has outstanding tensile strength (450/400 N/5 cm) due to its built-in reinforcing grid.
- ... is in the available width of 3 m ideal for use on lightweight industrial roofs incorporating e.g. aerated concrete or trapezoidal sheet decking.
- ... has an S_d value (diffusion-equivalent air blanket) of approx. 150 m.
- ... conforms fully with requirements of DIN 4108 when properly installed.
- ... has outstanding flexibility, allowing rapid installation.
- DELTA®-REFLEX PLUS with integrated self-adhesive border provides a faster airtight installation.



DELTA®-REFLEX – the universal vapour barrier sheet.



Why not profit from the DELTA®-System.

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.

Outside ...

... year-round heat protection by DELTA®-MAXX TITAN, our breathable, highly tear-resistant thermomembrane which ensures a markedly more agreeable living climate thanks to its outstanding advantages over conventional roofing products.

Needless to say, we have a range of perfect accessories. For detailed information about the DELTA®-System, look up the DELTA®-System guides.



DELTA®-REFLEX

Technical data overview:

Material	Watertight, corrosion-proof aluminium layer laminated between transparent polyester film and grid-reinforced polyethylene film.
Application	Vapour barrier sheet with high safety factor.
Fire resistance	Class E EN 13501-1 B 1 rating (DIN 4102)
Tensile strength	approx. 450/400 N/5 cm (EN 12311-2)
S _d value	approx. 150 m
Service temperature range	- 40 °C and + 80 °C
Weight	approx. 180 g/m ²
Roll weight	approx. 13.5 kg
Roll sizes	50 m x 1.5 m 25 m x 3 m

Vapour barrier sheets are not resistant against permanent UV attack. Sheets installed in areas with ongoing UV radiation have to be covered.

DELTA®-Accessories for DELTA®-REFLEX.

Dörken makes your life easier – systematically.

This is why you are sure to appreciate these handy DELTA®-Accessories:



DELTA®-TIXX

Sealing compound for airtight connection of vapour barrier sheet to brick walls. No finish stripping required.



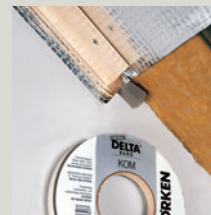
DELTA®-FLEXX-BAND

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



DELTA®-POLY-BAND

Aluminumized adhesive tape for sealing of overlapping DELTA®-REFLEX sheets. Or – as an alternative – use DELTA®-REFLEX PLUS with the integrated self-adhesive border.



DELTA®-KOM-BAND

Pre-compressed acrylate-saturated soft-foam sealing tape.

DELTA® is a registered trademark of Ewald Dörken AG, Herdecke, Germany.

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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■ **Standard requests for tender as well as detailed installation instructions** for all DELTA®-Products may be obtained at www.doerken.com as pdf files for you to print out and save.