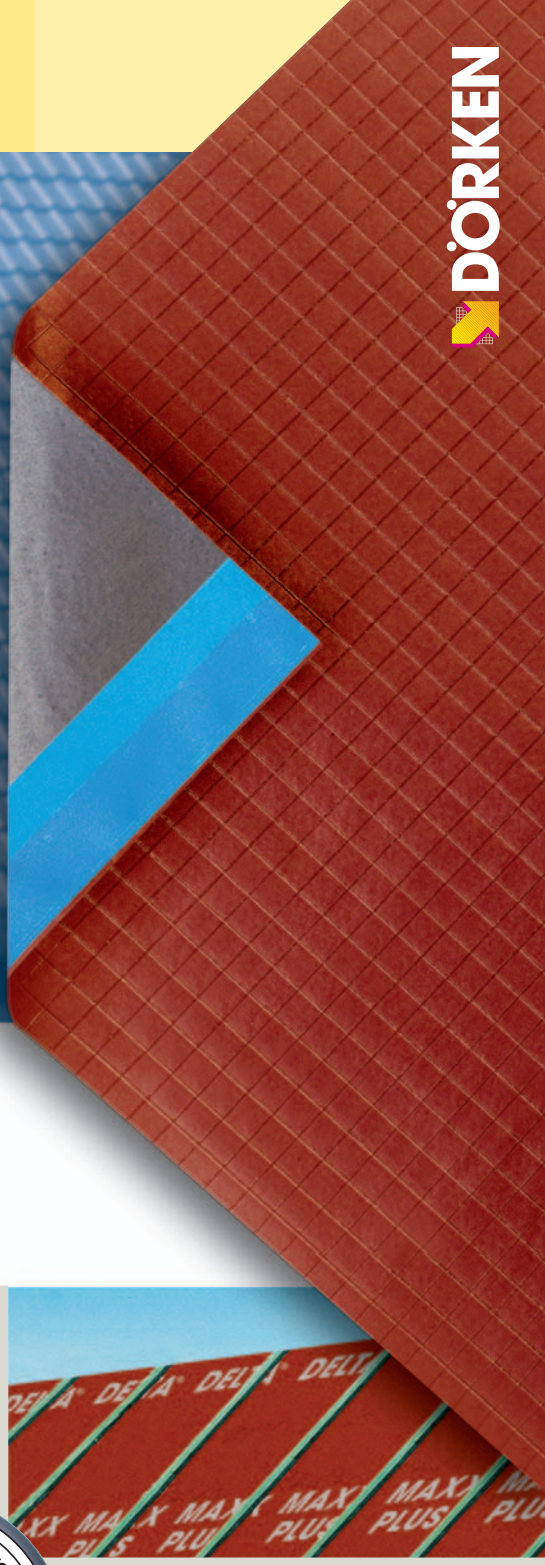
DELTA® System

DELTA® protects property. Saves energy. Creates comfort.





DÖRKEN

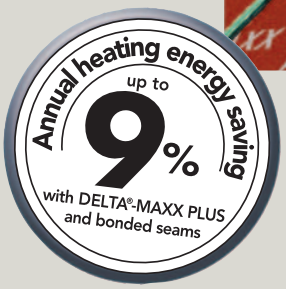
DELTA®-MAXX PLUS

Energy saver membrane

PREMIUM QUALITY

Warm in winter!
Cool in summer!

Adds value to your roof.
Incorporated moisture storage layer.
Insurance-certified fall-through safety.
Ideal for temporary roofing.



- Soft sheathing
- For fully-insulated pitched roofs
- Construction/ rehabilitation

A draught-proof roof? DELTA®-System makes this vision come true!

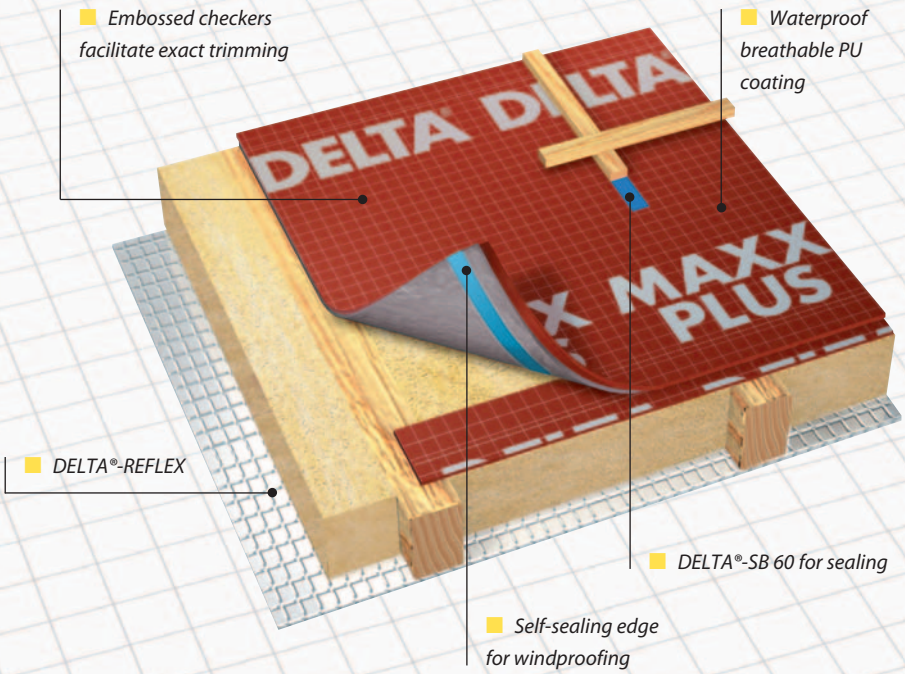
Simply expect the best:

DELTA®-MAXX PLUS

Up to 30 % less air exchange. Up



DELTA®-MAXX PLUS energy saver membrane in new buildings:

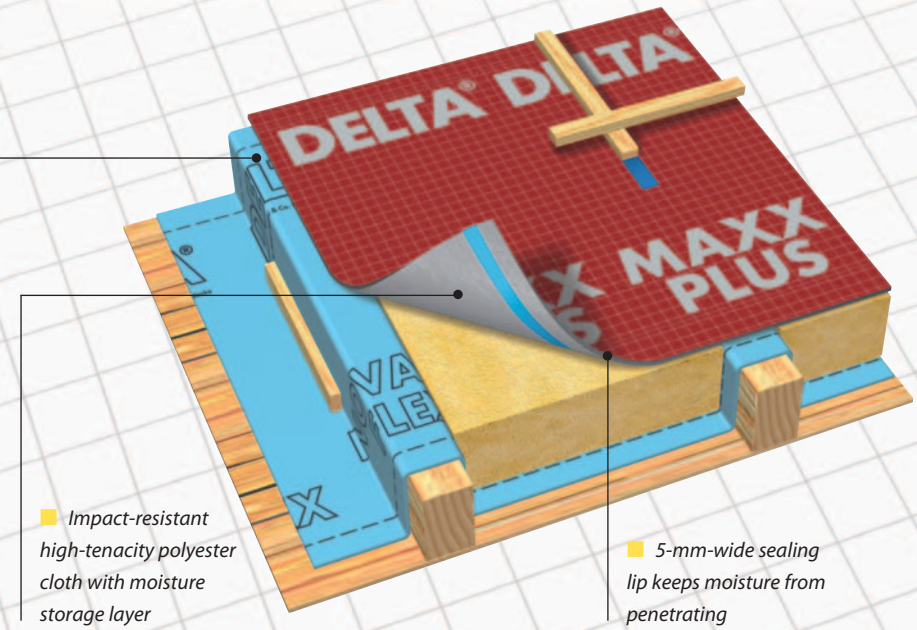


Outside:
DELTA®-MAXX PLUS
The adhesive overlaps of DELTA® MAXX PLUS act like the zipper of a wind cheater, putting an end to the considerable loss of energy caused by cold outside air flowing into the interior.

Inside (construction):
DELTA®-REFLEX/DELTA®-REFLEX PLUS
Draught and vapour barrier. Up to 10 % more heat protection. 100% draught and vapour sealing.

Inside (rehabilitation):
DELTA®-NOVAFLEXX/DELTA®-S_d-FLEXX
Rehabilitation vapour barrier.
Ideal for previously converted attics whose interior structure is to be preserved. Depending on the humidity of the air, the S_d value may vary locally or generally between 5 m and 0.2 m.

DELTA®-MAXX PLUS energy saver membrane in rehabilitation:



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

PREMIUM QUALITY



Detail of a roof window installation.



Pull off the backing strip. Press down the edge. Done.



Highly robust and absolutely impact-resistant.

S energy saver membrane

o to 9 % less heating-energy consumption.

DELTA®-MAXX PLUS
Energy saver membranes ...

- ... represent a new dimension in energy conservation. Up to 30 % lower air exchange rates means up to 9 % less energy consumed for heating (based on data from a 100-m² attic apartment in Munich).
- ... are highly robust as well as extremely impact- and tear-resistant (approx. 450/300 N/5 cm) because of their specially coated cloth layer. Insurance-certified fall-through safety.
- ... comply with the requirements of the new roofing code and may be used as temporary roofing.
- ... are easy to lay thanks to the checkers embossed on their surface, which ensure straight cutting.
- ... are the only soft sheathing in Germany, besides DELTA®-MAXX TITAN and DELTA®-MAXX, that feature a moisture storage layer.
- ... are capable of absorbing in their storage layer up to 1L of moisture per m², which is then gradually released outward.
- ... offer safety from insects, eliminating the need for chemical wood preservatives (DIN 68800-2).
- ... form a coherent underlay for attics that have not been converted, eliminating or reducing the need for clamping down tiles against wind suction.
- ... have a 15-year record of reliability to look back on.





DELTA®-MAXX PLUS energy saver membranes are easy and safe to install.

Why not profit from the DELTA®-System.

Outside ...

... breathable, highly tear-resistant DELTA®-MAXX PLUS energy saver membranes with moisture storage layers. Great heat protection down to the smallest detail.

Inside ...

... in new buildings: DELTA®-REFLEX draught and vapour barriers or DELTA®-REFLEX PLUS with integrated self-sealing edges offer protection from electric smog.
... for rehabilitation: DELTA®-NOVAFLEXX or DELTA®-S_d-FLEXX vapour barriers.



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

DELTA®-MAXX PLUS
Energy saver membrane

Technical data overview:

Material	Moisture-storing polyester cloth with a waterproof vapour-permeable PU coating and a self-sealing edge.
Application	For fully-insulated pitched roofs without hard sheathing. Conforms to the ZVDH Product Data Sheet for Soft Sheathing, Class UDB-A. Suitable for temporary roofing.
Flammability	Class E, EN 13501-1
Tear strength	approx. 450/300 N/5 cm, EN 12311-1+2
Waterproofing	Class W 1, EN 13859-1+2
S_d value	approx. 0.15m, EN ISO 12572
Service temperature range	- 40 °C to + 80 °C
Resistance against driving rain	Pass in the driving-rain test for waterproofing and soft sheathing, TU Berlin
Ageing resistance	Pass in the enhanced ageing test, ZVDH Product Data Sheet, Table 1
Weight	approx. 190 g/m²
Roll weight	approx. 14 kg
Roll size	50 m x 1.50 m

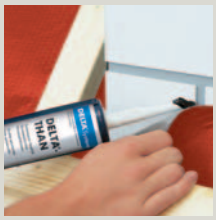
As weather and insolation conditions may vary, we generally recommend roofing our sheets over promptly. The maximum periods for which they may be exposed to open-air weathering when used as temporary roofing are named in the installation instructions attached to the product.

DELTA®-Accessories for DELTA®-MAXX PLUS energy saver membranes.

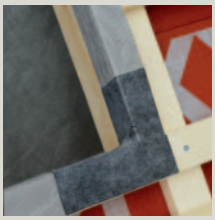
Dörken makes your life easier – systematically.
This is why you are sure to appreciate these handy DELTA®-Accessories:



DELTA®-MULTI-BAND
All-round adhesive tape featuring maximum adhesive strength. For all sheets for interior and exterior application, especially for sealing overlaps and openings and repairing tears.



DELTA®-THAN
Permanently elastic special-rubber cartridge adhesive. For outside application.



DELTA®-FLEXX-BAND
Stretchable tape for sealing building components outside and inside.



DELTA®-DICHT-BAND
Single-faced adhesive tape covered by a flexible PE sheet and a plastic backing strip. For application under counterbattens.

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."

DÖRKEN

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A company of the Dörken Group

■ **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.