

DELTA[®]-S_d-FLEXX

The innovative sheet that responds selectively!

Flexible S_d value varies between 5 m and 0.2 m.
Safe one-pass laying.



■ Draught and vapour barrier

■ For reroofing

■ Rehabilitation

**Saving energy at maximum efficiency?
Very easy with the DELTA®-system!**

Perfect rehabilitation from the word Go:

DELTA®-S_d-FLEXX

Permits humidity to escape unobstructed. For

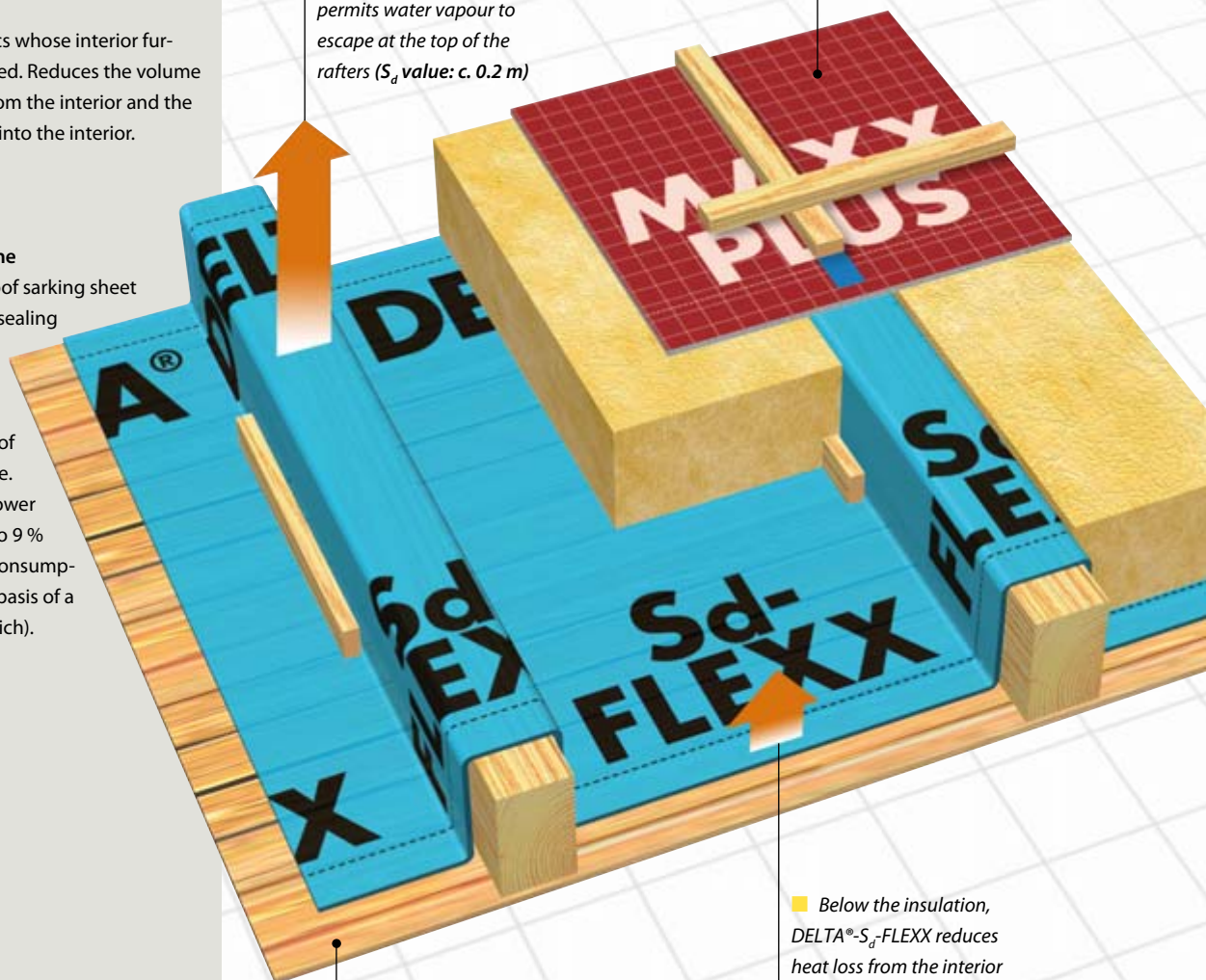


■ **Inside:**
DELTA®-S_d-FLEXX
Ideal for converted attics whose interior furnishing is to be preserved. Reduces the volume of warm air escaping from the interior and the flow of cold outside air into the interior.

■ **Outside:**
DELTA®-MAXX PLUS
Energy-saver membrane
Breathable draught-proof sarking sheet with an integrated self-sealing edge. Sealed overlaps put an end to the considerable energy losses caused by the influx of cold air from the outside. The result: up to 30 % lower air exchange rates, up to 9 % lower heating-energy consumption (calculated on the basis of a 100-m² attic flat in Munich).

■ **DELTA®-S_d-FLEXX**
permits water vapour to escape at the top of the rafters (*S_d value: c. 0.2 m*)

■ **DELTA®-MAXX PLUS**
energy-saver membrane – offers optimum outside protection as a sarking sheet



■ **Interior panelling**
remains unchanged

■ **Below the insulation,**
DELTA®-S_d-FLEXX reduces heat loss from the interior (*S_d value: c. 5 m*)

PREMIUM QUALITY



Remove tiles and insulation and smoothen interior surfaces.

Install DELTA®-S_d-FLEXX and seal against draughts.

Fit the insulation material in between the rafters.

forms a continuous draught-proofing layer.

DELTA®-S_d-FLEXX ...

- ... makes an ideal vapour barrier for rehabilitation and reroofing.
- ... responds to fluctuations in air humidity. Any change in humidity will trigger a corresponding change in the density of the material.
- ... becomes more permeable and offers less resistance to vapour diffusion as the humidity of the air increases. In extreme cases, the original S_d value of 5 m may drop to 0.2 m generally or locally.
- ... permits water vapour to escape speedily at the rafter tops at all times.
- ... reduces the risk of condensate formation.
- ... may be laid out quickly and safely straight off the roll. Covering the surfaces of the rafters as well as the areas between them, and featuring wind-proof sealed overlaps, the material forms a continuous draught-proofing layer.
- ... saves time and money because it eliminates the need for complex sealing operations along the rafter sides.
- ... may be laid out directly on top of the interior panelling.
- ... flammability Class E, EN 13501-1, flame-retardant, Class B1 as per DIN 4102.



DELTA®-S_d-FLEXX may be rolled out quickly and cost-efficiently across the rafters.



Why not benefit from the DELTA®-system?

Inside ...

... DELTA®-S_d-FLEXX, the innovative draught and vapour barrier made of polyamide. As this material responds immediately to air-humidity fluctuations, its S_d value adapts to prevailing conditions.

Outside ...

... DELTA®-MAXX PLUS energy-saver membrane, a breathable wind-proof sarking sheet with a moisture storage layer. Great heat protection down to the smallest detail.



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

DELTA®-S_d-FLEXX

Technical data overview:

| | |
|-----------------------------|--|
| Material | Polyamide |
| Application | Rehabilitation vapour barrier for reroofing; with integrated "humidity sensor" |
| Flammability | Class E, EN 13501-1, flame-retardant, Class B 1 as per DIN 1402 |
| Tear strength | c. 130/125 N/5 cm as per EN 12311-2 |
| S _d value | c. 5 m in a dry and c. 0.2 m in a humid environment |
| Operating temperature range | - 10 °C to + 80 °C |
| Weight | c. 60 g/m ² |
| Roll weight | c. 4.5 kg/c. 9 kg |
| Roll size | 50 m x 1.5 m/100 m x 1.5 m |

DELTA®-S_d-FLEXX should not be installed above swimming pools or in factory sheds with relative humidities permanently above 60 % and temperatures permanently above 25 °C.

DELTA®-accessories for DELTA®-S_d-FLEXX.

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 with maximum adhesive strength. For all sheets for exterior and interior application, especially for sealing overlaps and openings and repairing tears.



DELTA®-THAN

Permanently elastic special-rubber cartridge adhesive. For outside application.



DELTA®-KOM-BAND

Pre-compressed, acrylate-dipped soft foam sealing strip with contact bar.

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
Dörken GmbH & Co. KG
Wetterstrasse 58
D-58313 Herdecke
Tel.: +49 23 30/63-0
Fax: +49 23 30/63-355
bvf@doerken.de
www.doerken.com

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.