

Technical data sheet

DELTA®-VENT S PLUS

Economical, vapour permeable soft sheating and sarking sheet for the protection of pitched roofs against moisture and harmful environmental influences with innovative adhesive zones along both edges.



Characteristics	Methods	Values/Description
Description		
Application	–	For pitched roofs with and without formwork. Corresponds to the ZVDH product data sheets UDB-A and USB-A. Suitable as temporary roofing and as pre-roofing under metal roofing, slate, fibre cement boards or shingles. Also applicable as a façade membrane behind ventilated claddings with closed joints.
Material	–	3-layer, pitched roof membrane made of a tear-resistant, vapour permeable PP spun non-woven fabric / film combination. With adhesive strips along both edges.
Weight	EN 1849-2	approx. 150 g/m ²
Thickness	–	approx. 0.2 mm
Watertightness		
Resistance to water penetration before and after ageing (336 h UV)	EN 1928	W1
Driving rain test	Test University of Berlin	Watertight
Water vapour transmission		
S_d-value	EN ISO 12572	approx. 0.02 m
Diffusion resistance factor μ	–	approx. 100
Water vapour transmission	EN ISO 12572	approx. 6.5 · 10 ⁻⁹ g/m ² · s · Pa
Mechanical properties		
Tensile strength MD/CD	EN 12311-1	approx. 310/260 N/5 cm
Tensile strength after ageing (336 h UV) MD/CD	EN 12311-1	approx. 200/170 N/5 cm
Elongation at break MD/CD	EN 12311-1	approx. 20–40% / 40–100%
Tear resistance MD/CD	EN 12310-1	approx. 170/200 N
Dimensional stability	EN 1107-2	< 1.5%
Flexibility at low temperature	EN 1109	–25 °C
Miscellaneous characteristics		
Fire resistance	EN 13501-1	E
Air permeability	EN 12114	< 0.1 m ³ /h · m ²
Service temperature range	–	–40 °C to +80 °C
Short-term maximum temperature load of the material (< 8h/day)	–	+100 °C
Dimension	–	50 m × 1.50 m
Weight of one roll	–	approx. 11 kg
Packaging unit	–	20 rolls/pallet
CE-conformity	EN 13859-1, EN 13859-2	Yes
Certificates	–	UDB-B / USB-A in accordance to ZVDH rules. Increased ageing requirement: passed, ZVDH-Product data sheet, table 1
External test reports	–	–

The content of this data sheet describes the current state of knowledge at the time of publication and make no claim to be complete. The information listed does not release from self-dependent behaviour. With publication of this sheet all previous versions are not valid any longer. Errors and typing errors reserved.



Accessories

• DELTA®-MULTI-BAND:

Single-sided high-performance adhesive tape to seal and repair all DELTA® sheets (applied to the printed upper side) as well as to join them to any similar surfaces and surfaces made of plastic (rigid), metal, smooth wood, and wood-based materials. Suitable for inside and outside application.

Material: special reinforced UV-stabilized polyethylene (PE) film and highly aggressive solvent-free acrylic adhesive with an easily removed paper release liner. Meets the requirements of the norm DIN 4108-11.

Dimension: 60 mm / 100 mm* / 150 mm* (*with slit paper release liner).

• DELTA®-FLEXX-BAND FG 80 / FG 150:

Sealing and connecting tape suitable for outside and inside details such as skylights, flue pipes, cables. Thickness approx. 2 mm.

Material: solvent-free butyl rubber adhesive on special PE film with siliconized PE cover foil, slit in the middle.

Dimension: 6 m × 80 mm / 10 m × 150 mm.

Also available as DELTA®-FLEXX-BAND F 100 with geotextile surface: 10 m × 100 mm.

• DELTA®-THAN:

Permanently elastic cartridge adhesive made of special rubber for outside application, for bonding and joining DELTA® membranes (suitable for bonding the underside of DELTA®-MAXX PLUS).

Filling weight: 310 ml per cartridge / 600 ml per tubular bag.

• DELTA®-NAGELDICHTBAND:

VPE foam nail-sealing tape off the roll. For sealing nail penetrations. Single-faced. Apply to sheet surfaces or counterbattens.

Dimension: 40 mm × 30 m (DELTA®-SB 40) / 50 mm × 30 m (DELTA®-SB 50) / 60 mm × 30 m (DELTA®-SB 60) / 70 mm × 30 m (DELTA®-SB 70) / 80 mm × 30 m (DELTA®-SB 80)