

Technical data sheet

DELTA®-VENT S

Economical, vapour permeable soft sheating and sarking sheet for the protection of pitched roofs against moisture and harmful environmental influences.



Application-For pitched roofs with and without formwork. Corresponds to the ZVDH product data sheets UDB-A and USB-A. Suitable as a trapparary roofing and as pre-roofing under metal resement boards or shingles. Also applicable as a trapparary roofing and as pre-roofing under metal resement boards or shingles. Also applicable as a trapparary roofing and as pre-roofing under metal resement boards or shingles. Also applicable as a trapparary roofing and as pre-roofing under metal resement boards or shingles. Also applicable as a trappara metal resement hold or shindles or data the comparison or shindles and trapparate beind vertified roofs with and without formwork. Corresponds to the ZVDH product data sheets UDB-A and USB-A. Suitables as trapparary roofing and as pre-roofing under metal resement boards or shindles as trapparate trappa	Characteristics	Methods	Values/Description	
and USB-A. Suitable as temporary rofing and as pre-rofing under netal roofing, site, fibre cement boards or shingles. Also applotable as a facade membrane behind verified clading with closed joins. Atterial - 3-layer, pitched roof membrane made of a teer-resistant, vapour permeable PP spun non-woven the combination. Weight EN 1849-2 approx. 500 g/m ² Thickness - approx. 500 g/m ² Waterfightness EN 1929 Vin Statistance to water penetration before and after ageing (336h UV) EN 1928 Vin Ording value EN 1928 Vin Optiming rain test Test University Waterfight Vater vapour transmission EN 190 12572 approx. 1000 Water vapour transmission EN 190 12572 approx. 100 Vater vapour transmission EN 190 12572 approx. 100/fm ² s · Pa Adechanizal properties - approx. 200/fm ² s · Pa Ensite strength MD/CD EN 1231-1 approx. 200/fm/s · s · Pa Biogradin at break MD/CD EN 1231-1 approx. 200/fm/s · s · Pa Biogradin at break MD/CD EN 1231-1 approx. 200/fm/s · s · Pa Biogradin at break MD/CD EN 123	Description			
WeightFibrie/Tim combination.WeightEN 1849-2approx. 150 g/m³Natertightness-approx. 0.2 mmWatertightnessEN 1928V1Vatertight GS56 UV)EN 1928V1Orlving rain testEN 1928WatertightSyrvaueEN 150 12572approx. 0.02 mWater vapour transmissionEN 150 12572approx. 0.02 mVater vapour transmissionEN 150 12572approx. 0.02 mWater vapour transmissionEN 150 12572approx. 0.02 mWater vapour transmissionEN 150 12572approx. 0.02 mWater vapour transmissionEN 125172approx. 20.07 m ⁴ s-PaWater vapour transmissionEN 12311-1approx. 20.07 to N/S cmGensile strength After ageing (336 h UV) M/S CDEN 12311-1approx. 20.07 to N/S cmGensile strength after ageing (336 h UV) M/S CDEN 12311-1approx. 170/200 NGensile strength after ageing (336 h UV) M/S CDEN 12311-1approx. 170/200 NGensile strength after ageing (336 h UV) M/S CDEN 12311-1approx. 100 %Gensile strength after ageing (336 h UV) M/S CDEN 12311-1approx. 100 %Gensile strength after ageing (336 h UV) M/S CDEN 12311-1approx. 100 %Gensile strength after ageing (336 h UV) M/S CDEN 1231-1approx. 100 %Gensil	Application	-	and USB-A. Suitable as temporary roofing and as pre-roofing under metal roofing, slate, fibre cement	
Thickness - approx.02mm Watertightness EN 1928 W1 Water dafter ageing (335 h UV) EN 1928 W1 Driving rain test Test University of Berlin Watertight Water vapour transmission EN ISO 12672 approx.002m Diffusion resistance factor µ EN ISO 12672 approx.002m Vater vapour transmission EN ISO 12672 approx.002m Vater vapour transmission EN ISO 12672 approx.002m Vater vapour transmission EN ISO 12672 approx.0100 approx.6.5 10 approx.6.5 10 approx.6.5 10 approx.002m Vater vapour transmission EN ISO 12672 approx.0100 approx.6.5 10 approx.002m Vater vapour transmission EN 12311-1 approx.200/170 N/5 cm Vater vapour data break MD/CD EN 12311-1 approx.200/170 N/5 cm Vater resistance MD/CD EN 12310-1 approx.200/170 N/5 cm Vater resistance MD/CD EN 12310-1 approx.10/200 N Vater resistance MD/CD EN 12310-1 approx.100/200 N Vater resistance MD/CD EN 12310-1 approx.100/200 N Vater resistance MD/CD	Material	-		
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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 EN ISO 12572 approx. 0.02 m Syralue EN ISO 12572 approx. 0.02 m Olffusion resistance factor µ - approx. 6.5 -10°g/m²-s-Pa Water vapour transmission EN ISO 12572 approx. 30/260 N/5 cm Water vapour transmission EN ISO 12572 approx. 30/260 N/5 cm Water vapour transmission EN 12311-1 approx. 200/170 N/5 cm Mo/CD EN 12311-1 approx. 200/170 N/5 cm Mo/CD EN 12310-1 approx. 200/170 N/5 cm Scientisch MD/CD EN 12310-1 approx. 100/200 N Ere resistance MD/CD EN 12310-1 approx. 100/200 N Scientisch Scientisch EN 12310-1 approx. 100/200 N Water resistance EN 12310-1 approx. 100/200 N Scientisch	Thickness	-	approx. 0.2 mm	
Ind after ageing (336 h UV)Image: Second	Watertightness			
of Berlin of Berlin Water vapour transmission EN ISO 12572 approx. 0.02 m Diffusion resistance factor μ - approx. 100 Water vapour transmission EN ISO 12572 approx. 100 Water vapour transmission EN ISO 12572 approx. 5.0 10° g/m² ·s ·Pa Water vapour transmission EN ISO 12572 approx. 5.0 10° g/m² ·s ·Pa Water vapour transmission EN ISO 12572 approx. 200/170 N/5 cm Water vapour transmission EN 12311-1 approx. 200/170 N/5 cm Work DCD EN 12311-1 approx. 200/170 N/5 cm Singation at break MD/CD EN 12310-1 approx. 200/170 N/5 cm Singation at break MD/CD EN 12310-1 approx. 10/200 N Singation at break MD/CD EN 12310-1 approx. 10/200 N Singation at break MD/CD EN 100 *2 <15%	Resistance to water penetration before and after ageing (336 h UV)	EN 1928	W1	
SparaleEN ISO 12572approx. 0.02 mDiffusion resistance factor µ-approx. 100Nater vapour transmissionEN ISO 12572approx. 6.5-10° g/m²-s-PaWechanical propertiesTensile strength MD/CDEN 12311-1approx. 310/260 N/5 cmPensile strength after ageing (336 h UV) MD/CDEN 12311-1approx. 200/170 N/5 cmBiologation at break MD/CDEN 12311-1approx. 200/170 N/5 cmPensile strength after ageing (336 h UV) MD/CDEN 12311-1approx. 20-40% / 40-100%Pensile strength after ageing (136 h UV)EN 12310-1approx. 20-40% / 40-100%Pensile strength after ageing (136 h UV)EN 12310-1approx. 20-40% / 40-100%Pensile strength after ageing (136 h UV)EN 12310-1approx. 20-40% / 40-100%Pensile strength after ageing (136 h UV)EN 12310-1approx. 170/200 NPensile strength after ageing (136 h UV)EN 107-2<15%	Driving rain test		Watertight	
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Water vapour transmissionEN ISO 12572approx. 6.5-10° g/m²-s-PaMechanical propertiesTensile strength MD/CDEN 12311-1approx. 310/260 N/5 cmTensile strength after ageing (336 h UV) MD/CDEN 12311-1approx. 200/170 N/5 cmSilongation at break MD/CDEN 12311-1approx. 20-40% / 40-100%Bear resistance MD/CDEN 12310-1approx. 20-40% / 40-100%Dimensional stabilityEN 107-2<1.5%Resistance MD/CDEN 109-25° CViscellaneous characteristicsEN 109-25° CService temperature rangeEN 13501-1EService temperature rangeO'C CSolo C-Service temperature load of the material (< 8h/day)-Solo CWeight of one roll-Solo N1.50mPackaging unit-Solo Solo N25 rolls/palletCE-conformityEN 13859-1,Yes	S _d -value	EN ISO 12572	approx. 0.02 m	
Mechanical properties Fensile strength MD/CD EN 12311-1 approx. 310/260 N/5 cm Fensile strength after ageing (336 h UV) MD/CD EN 12311-1 approx. 200/170 N/5 cm Bilongation at break MD/CD EN 12311-1 approx. 200-40 % / 40-100 % Bilongation at break MD/CD EN 12310-1 approx. 170/200 N Fear resistance MD/CD EN 12310-1 approx. 170/200 N Dimensional stability EN 1107-2 <1.5 %	Diffusion resistance factor µ	-	approx. 100	
Tensile strength MD/CDEN 12311-1approx. 310/260 N/5 cmTensile strength after ageing (336 h UV) MD/CDEN 12311-1approx. 200/170 N/5 cmStongation at break MD/CDEN 12311-1approx. 20-40 % / 40-100 %Stength at break MD/CDEN 12310-1approx. 20-40 % / 40-100 %Stength at break MD/CDEN 12310-1approx. 170/200 NStength at break MD/CDEN 13501-1EStength at break MD/CDEN 12114<0.11m³/h.m²	Water vapour transmission	EN ISO 12572	approx. 6.5 · 10 ^{·9} g/m ² · s · Pa	
Tensile strength after ageing (336 h UV) MD/CDEN 12311-1approx. 200/170 N/5 cmSelongation at break MD/CDEN 12311-1approx. 200/40 / 40 - 100 %Selongation at break MD/CDEN 12310-1approx. 20-40 % / 40 - 100 %Selongation at break MD/CDEN 12310-1approx. 170/200 NSelongation at break MD/CDEN 12310-1approx. 170/200 NDimensional stabilityEN 1107-2<1.5 %	Mechanical properties			
MD/CDImage: Constant of the set of the se	Tensile strength MD/CD	EN 12311-1	approx. 310/260 N/5 cm	
Presistance MD/CDEN 12310-1approx. 170/200 NDimensional stabilityEN 12310-1en 1107-2<1.5 %PresistanceEN 1109-25 °CMiscellaneous characteristicsFire resistanceEN 13501-1EAir permeabilityEN 12114<0.1 m³/h·m²Service temperature range40 °C to +80 °CShort-term maximum temperature load of the material (<8h/day)-50 m × 1.50 mDimension-25 rolls/palletVeight of one roll-25 rolls/palletCE-conformityEN 13859-1,Yes	Tensile strength after ageing (336 h UV) MD/CD	EN 12311-1	approx. 200/170 N/5 cm	
Dimensional stabilityEN 1107-2<1.5%Dimensional stabilityEN 1109-25°CMiscellaneous characteristicsFire resistanceEN 13501-1EAir permeabilityEN 12114<0.1m³/h·m²Gervice temperature rangeof the material (< 8h/day)-50m × 1.50mDimension-50m × 1.50mNeight of one roll-25 rolls/palletCE-conformityEN 1359-1,Yes	Elongation at break MD/CD	EN 12311-1	approx. 20–40% / 40–100%	
Flexibility at low temperatureEN 1109-25°CAirscellaneous characteristicsFire resistanceEN 13501-1EAir permeabilityEN 12114<0.1m³/h·m²	Tear resistance MD/CD	EN 12310-1	approx. 170/200 N	
Miscellaneous characteristics Fire resistance EN 13501-1 E Air permeability EN 12114 <0.1m³/h·m² Service temperature range - -40°C to +80°C Short-term maximum temperature load of the material (<8h/day) - 50m × 1.50m Dimension - 50m × 1.50m Neight of one roll - 25 rolls/pallet Packaging unit - 25 rolls/pallet CE-conformity EN 13859-1, Yes	Dimensional stability	EN 1107-2	<1.5%	
Fire resistanceEN 13501-1EAir permeabilityEN 12114<0.1m³/h·m²	Flexibility at low temperature	EN 1109	-25°C	
Air permeabilityEN 12114<0.1m³/h·m²Gervice temperature range40°C to +80°CShort-term maximum temperature load of the material (<8h/day)	Miscellaneous characteristics			
Service temperature range - -40°C to +80°C Short-term maximum temperature load of the material (< 8h/day)	Fire resistance	EN 13501-1	E	
Short-term maximum temperature load of the material (< 8h/day) - +100 °C Dimension - 50 m × 1.50 m Neight of one roll - approx. 11 kg Packaging unit - 25 rolls/pallet CE-conformity EN 13859-1, Yes	Air permeability	EN 12114	< 0.1m ³ /h · m ²	
of the material (< 8h/day)	Service temperature range	-	-40 °C to +80 °C	
Weight of one roll - approx. 11kg Packaging unit - 25 rolls/pallet CE-conformity EN 13859-1, Yes	Short-term maximum temperature load of the material (< 8h/day)	-	+100 °C	
Packaging unit - 25 rolls/pallet CE-conformity EN 13859-1, Yes	Dimension	-	50 m × 1.50 m	
CE-conformity EN 13859-1, Yes	Weight of one roll	-	approx. 11kg	
	Packaging unit	-	25 rolls/pallet	
EIN 13639-2	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	Certificates	-		
xternal test reports – –	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)