

Technical data sheet

DELTA®-PENTAXX S PLUS

Highly UV-stabilised, breathable and grid-reinforced formwork and underlay with adhesive areas at both edges.



Features	Method	Values/Description
Description		
Application	–	For all unventilated and ventilated pitched roof applications with and without formwork. Particularly interesting for large lath widths due to the additional grid reinforcement.
Material	–	Multi-layer pitched roof underlay made of tear-resistant, breathable fabric reinforcement and PP spunbond film combination with integrated adhesive areas at both edges.
Special features	–	Patented multi-layer and especially UV-stabilised functional layer (weight app. 90 g/m ²).
Mass per unit area	EN 1849-2	230 g/m ² (±10%)
Thickness	EN 1849-2	approx. 0.5 mm
Water resistance		
Waterproof before and after ageing (5,000 h UV)	EN 1928 + EN 13859-2	W1
Driving rain test	Test TU-Berlin	Tight
Water vapour permeability		
S_d-value	EN ISO 12572	0.15 m (±0.05 m)
Water vapour diffusion resistance factor μ	–	approx. 300
Mechanical features		
Tensile force longitudinal/transverse	EN 12311-1	520/520 N/5 cm (±10%)
Tensile force after ageing (5,000 h UV) longitudinal/transverse	EN 12311-1	420/420 N/5 cm (±20%)
Elongation longitudinal/transverse	EN 12311-1	> 10%
Nail pull-out strength longitudinal/transverse	EN 12310-1	550/550 N (±10%)
Dimensional stability	EN 1107-2	< 2%
Cold bending behaviour	EN 1109	-50 °C
Other features		
Fire behaviour	EN 13501-1	E
Temperature resistance	–	-40 °C bis +80 °C
Short-term maximum temperature load of the material	–	+100 °C
UV resistance*	–	4 months
DELTA®-complete solution for a durable and energetic roof	–	DELTA®-MULTI-BAND (universal adhesive tape for gluing overlaps, penetrations and repairing cracks) – roll length 25 m, roll widths 60 and 100 mm. DELTA®-SCHAUM-BAND SB 60 (single-sided adhesive sealing tape for sealing nail joints between counter battens and underlay) – 60 mm × 30 m. DELTA®-THAN (permanently elastic cartridge adhesive made of special rubber) – 310 ml. DELTA®-FLEXX-BAND (stretchable butyl rubber adhesive on special fleece) – 100 mm × 10 m
CE-conformity	EN 13859-1+2	Yes
Dimension	–	50 m × 1.50 m (15 Rolls/Pallet)
Roll weight	–	16.5 kg

*For further information on UV resistance, see also technical information "Effects of UV radiation on underlays".