

## Technical data sheet

**DELTA®-PENTAXX PLUS**

Highly UV-stabilised breathable  
formwork and underlay.  
With adhesive areas at both edges.



Features	Method	Values/Description
<b>Description</b>		
<b>Application</b>	–	For all unventilated and ventilated pitched roof applications with and without formwork.
<b>Material</b>	–	Multi-layer pitched roof sheet made of tear-resistant, breathable PP spunbond-film combination with integrated adhesive areas at both edges.
<b>Special features</b>	–	Patented multi-layer and especially UV-stabilised functional layer (weight app. 90 g/m <sup>2</sup> ).
<b>Mass per unit area</b>	EN 1849-2	200 g/m <sup>2</sup> (±10%)
<b>Thickness</b>	EN 1849-2	approx. 0.4 mm
<b>Water resistance</b>		
<b>Waterproof before and after ageing (5,000 h UV)</b>	EN 1928 + EN 13859-2	W1
<b>Driving rain test</b>	Test TU-Berlin	Tight
<b>Water vapour permeability</b>		
<b>S<sub>d</sub>-value</b>	EN ISO 12572	0.15 m (±0.05 m)
<b>Water vapour diffusion resistance factor μ</b>	–	approx. 375
<b>Mechanical features</b>		
<b>Tensile force longitudinal/transverse</b>	EN 12311-1	360/250 N/5 cm (±15%)
<b>Tensile force after ageing (5,000 h UV) longitudinal/transverse</b>	EN 12311-1	270/190 N/5 cm (±20%)
<b>Elongation longitudinal/transverse</b>	EN 12311-1	13–26% / 40–65%
<b>Nail pull-out strength longitudinal/transverse</b>	EN 12310-1	150/230 N (±20%)
<b>Dimensional stability</b>	EN 1107-2	< 2%
<b>Cold bending behaviour</b>	EN 1109	-50 °C
<b>Other features</b>		
<b>Fire behaviour</b>	EN 13501-1	E
<b>temperature resistance</b>	–	-40 °C bis +80 °C
<b>Short-term maximum temperature load of the material</b>	–	+100 °C
<b>UV resistance*</b>	–	4 months
<b>DELTA®-complete solution for a durable and energetic roof</b>	–	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 sheet) – 60 mm x 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 x 10 m
<b>CE-conformity</b>	EN 13859-1+2	Yes
<b>Dimension</b>	–	50 m x 1.50 m (20 rolls/pallet)
<b>Roll weight</b>	–	15 kg

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