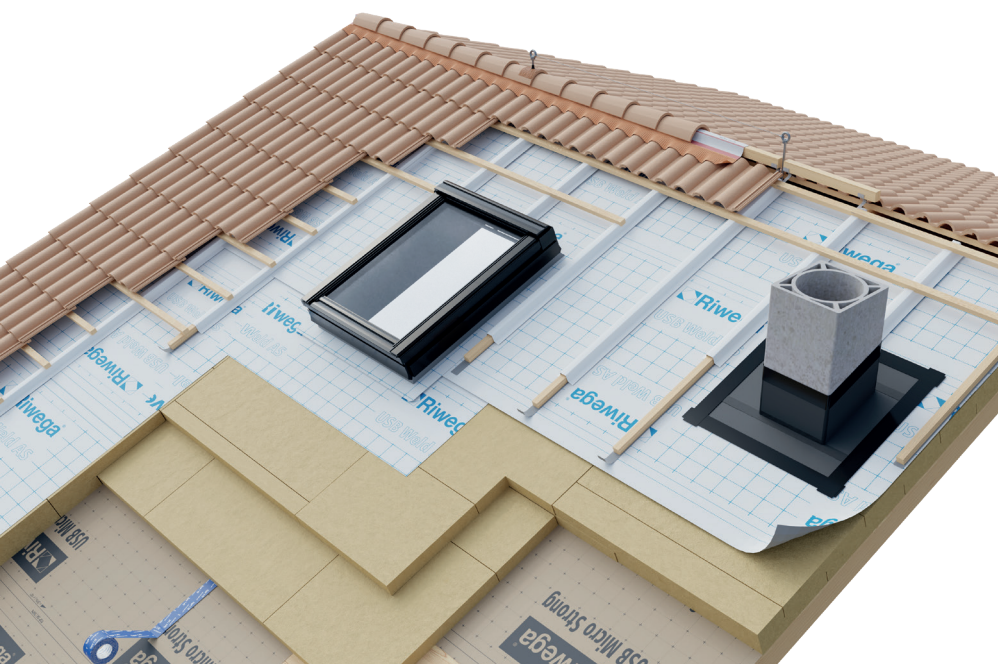


USB Weld AS



QUICK OVERVIEW: STRENGTHS

Perfect sealing of overlaps and joints

- Breathable, water-tight membrane
- Hot welding by temperatures from 200°C to 300°C or cold welding with THF Welding Liquid
- Suitable also for extreme climatic conditions
- Can be also used with very low roof pitch ($\geq 5^\circ$)

Features:



Classification:



Technical data sheet

Material	PU.PET.PU	
Film	double PU film	
Colour	Grey	
Use underneath PV panels	YES**	
Mass per unit area	EN 1849-2	345 g/m ²
Thickness		0,9 mm
Sd value	EN ISO 12572	0,3 m
Water vapour permeability	EN ISO 12572	~ 115 g/m ² /24 h
Watern column	EN 20811	>800 cm
Heavy rain test	TU Berlin	passed
Resistance to water passage	EN 1928 (Met. A)	W1
Tensile strength MD/CD*	EN 12311-1	350 / 430 N/50mm
Elongation MD/CD*	EN 12311-1	45 / 50 %
Tear resistance MD/CD*	EN 12310-1	280 / 250 N
Fire reaction class	EN 13501-1	E
UV stability		3 months
Temperature resistance		-40°/+90°C

*MD = longitudinal CD = transversal

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**The product is suitable for installation with maximum operating temperatures up to 90°C. If this limit is not exceeded, the product can be used under photovoltaic systems. It is necessary to ensure that the ventilation cross-sections and ventilation openings are fully functional for all types of roofs and especially for photovoltaic systems in order to prevent heat build-up. In addition, due to the way in which a photovoltaic system can be installed with gaps between one panel and another, it must be excluded that USB Weld AS becomes the main water-tight drainage layer. USB Weld AS must therefore always be the second waterproofing layer and as such must also be fully protected from direct UV exposure.



Composition:

Weldable PUR layer with non-slip surface ①

Film in PET ②

Weldable PU layer ③

Codes and measures

Product	Code	Width (m)	Length (m)	Pallet (m ²)
USB Weld AS	02010354	1,5	30	900
USB Weld AS	020103540	3,0	30	1800
USB Welding Strip	02010353	0,3	10	-

*Universal strips for sealing ventilation battens
System accessories for USB Weld AS on page 176