



## QUICK OVERVIEW: STRENGTHS

### Perfect sealing of overlaps and joints

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

new  
product

#### 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 <sup>2</sup>
Thickness		0,9 mm
Sd value	EN ISO 12572	0,3 m
Water vapour permeability	EN ISO 12572	~ 115 g/m <sup>2</sup> /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 <sup>2</sup> )
USB Weld AS	02010354	1,5	30	900
USB Weld AS	020103540	3,0	30	1800
USB Welding Strip	02010353	0,3	20	-