

USB Micro

Art. 1,5 m **02030140**
 Art. TOP SK 1,5 m **02020141**
 Art. 3,0 m **020301400**



The first and original!

The most sold because of **price-quality ratio**.

3 layer product, environmentally friendly/recyclable.

Water repellent, UV stabilized protective top layer.

Regulates the passage of water vapour.

Available in **3 m width**.



- Water repellent, UV stabilized protective top layer
- Functional PP film, waterproof and slightly breathable
- Absorbent protective bottom layer



USB Micro is a 3 layer, water- and airtight, vapour control layer. The top and bottom layers are made of non-woven polypropylene fabric which protect the middle polypropylene microporous film with low breathability. The three layers are bonded using an innovative procedure of molecular expansion.

The top layer is treated to make it water repellent so that rain water runs directly off it. In very heavy rain which cannot be easily diverted, the middle membrane can also provide the necessary watertightness.

The product's weight (155 g/m²) makes USB Micro the essential vapour control layer for installing a roof which combines current standards but offers also good price-quality ratio.

Technical data sheet

Material		PP.PP.PP
Film		PP
Colour		beige/white
Roll width (m)		1,5 / 3,0
Roll length (m)		50
Roll weight (kg)		12 / 24

Areal mass (g/m ²)	EN 1849-2	155 (±5 g/m²)
Equivalent air layer to vapour passage - Sd (m)	UNI EN ISO 12572	>2
DVA diffusion of vapour (g/m ² /24 hours)	UNI EN ISO 12572	ca. 15
Water column (cm)	EN 20811	>550
Heavy rain test		passed
Watertightness	EN 13984	passed
Tensile strength MD/CD*	EN 12311-1	310 / 240 (±30N/50mm)
Elongation MD/CD*	EN 12311-1	70 / 80 (±15%)
Tear strength MD/CD*	EN 12310-1	190 / 230 (±15N)
Fire class	EN 13501-1	E
UV stability		4 months
Temperature		-40°/+100°C

Necessary data for hygrothermic calculation:

Density (kg/m ³)	EN 1849-1	199
Thickness (mm)	EN 1849-2	0,78
Coefficient of vapour passage resistance (μ)	UNI EN ISO 12572	2564
Permeability of vapour (kg/m*s*Pa)	UNI EN ISO 12572	0,0753 *10⁻¹²
Thermal conductivity lambda-λ (W/mK)		0,22
Specific heat (J/KgK)		1700



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