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## Technical Data Sheet

# ROOF Evolution TPU 210



### *Product description:*

The ROOF Evolution TPU 210 is a vapor-permeable underlay consisting of polyester fleece with a special polyurethane copolymer coating on one side. It can be used as a sarking membrane, underlay membrane and formwork membrane and on wooden formwork and thermal insulation and meets the requirements of the ZVDH UDB-A / USB-A as well as the Ö-Norm and the SIA.

# ROOF Evolution TPU 210

application	underlay membrane		
functional layer	TPU coating one sided		
carrier material	polyester fleece		
color of carrier material	black		
basis weight	EN 1849-2	g/m <sup>2</sup>	210 (± 20)

PROPERTY	TEST	UNIT	VALUE
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## General characteristics

roll width	EN 1848-2	m	1,5   3
roll length	EN 1848-2	m	50
m <sup>2</sup> per roll	EN 1848-2	m <sup>2</sup>	75   150
roll weight	-	kg	15,75   31,50
rolls per pallet	-	rolls	24   15

## Technical characteristics

dimensional accuracy	EN 1107-2	%	< 1
thickness	EN 1849-2	mm	0,7
behavior in case of fire	EN 13501-1	class	E
resistance to water penetration	EN 1928	class	W1
after artificial aging	EN 1297/1296	class	W1
maximum tensile force MD/CD	EN 12311-1	N/50 mm	350 / 310
maximum tensile force after aging MD/CD	EN 12311-1	N/50 mm	360 / 300
elongation MD/CD	EN 12311-1	%	26 / 22
elongation after aging MD/CD	EN 1297/1296	%	27 / 17
tear resistance / nail shaft MD/CD	EN 12310-1	N/200 mm	200 / 220
cold bending behavior	EN 1109	°C	-30
diffusion-equivalent air layer thickness	EN ISO 12572	sd-value-m	0,1
resistance to air passage	EN 12114	m <sup>3</sup> /(m <sup>2</sup> /h/50Pa)	0
temperature resistance	EN 13859-1	°C	-40 to +100
outdoor exposure time	-	months	3
UV resistance	-	months	3
resistance to driving rain	TU-Berlin	-	passed
suitability as a material for temporary cover	-	months	3
ZVDH product data sheet - class	-	-	UDB-A / USB-A
Ö-Norm: B3661 - Table 5/4119 - Section 6.1.2	-	-	Type II

The values may be subject to tolerances. If nothing is specified, the tolerance customary in the industry applies according to the standard, material and property.

