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## Technical Data Sheet

# FRONT UV Protect PES 180



### *Product description:*

The FRONT UV Protect PES 180 is a vapor-permeable facade membrane. It consists of a robust polyester fleece with a multiple special coating. It can be used in all facade constructions (closed, partially open, open) and on thermal insulation. The high-quality acrylate coating gives the membrane enormous heat and UV resistance and thus offers optimal protection against weather and building moisture. In the case of partially open facades, the proportion of joints can be freely selected (sufficient protection against mechanical damage is recommended). Constructions even behind glass are possible.

# FRONT UV Protect PES 180

application	underlay membrane for facades		
functional layer	acrylate special coating		
carrier material	polyester fleece		
color of carrier material	black		
basis weight	EN 1849-2	g/m <sup>2</sup>	180 (± 10)

PROPERTY	TEST	UNIT	VALUE
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## General characteristics

roll width	EN 1848-2	m	1,5
roll length	EN 1848-2	m	50
m <sup>2</sup> per roll	EN 1848-2	m <sup>2</sup>	75
roll weight	-	kg	13,5
rolls per pallet	-	rolls	24

## Technical characteristics

dimensional accuracy	EN 1107-2	%	< 0,1
thickness	EN 1849-2	mm	0,36
behavior in case of fire	EN 13501-1	class	B
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	450 / 180
maximum tensile force after aging MD/CD	EN 12311-1	N/50 mm	470 / 200
elongation MD/CD	EN 12311-1	%	35 / 40
elongation after aging MD/CD	EN 1297/1296	%	31 / 36
tear resistance / nail shaft MD/CD	EN 12310-1	N/200 mm	45 / 105
cold bending behavior	EN 1109	°C	-30
diffusion-equivalent air layer thickness	EN ISO 12572	sd-value-m	0,12
resistance to air passage	EN 12114	m <sup>3</sup> /(m <sup>2</sup> /h/50Pa)	≤ 0,1
temperature resistance	EN13859-1	°C	-40 to +150
suitability as a material for temporary cover	-	-	permanent
UV resistance	-	-	permanent

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.

