



**SWISSCHEM**  
films · adhesives · converting

## Technical Data Sheet

# ROOF Evolution TPU 360



### *Product description:*

The ROOF Evolution TPU 360 is a permeable, weldable formwork membrane. The membrane is suitable for all fully insulated, unpanelled and paneled pitched roofs. The membrane may be laid directly on formwork as well as on thermal insulation or rafters with the recommended overlap.

# ROOF Evolution TPU 360

application	underlay membrane		
functional layer	TPU coating on both outsides		
carrier material	polyester fleece		
color of carrier material	black		
basis weight	EN 1849-2	g/m <sup>2</sup>	360 (± 30)

PROPERTY	TEST	UNIT	VALUE
----------	------	------	-------

## General characteristics

roll width	EN 1848-2	m	1,5   3
roll length	EN 1848-2	m	25   50
m <sup>2</sup> per roll	EN 1848-2	m <sup>2</sup>	37,5   75
roll weight	-	kg	13,5   27
rolls per pallet	-	rolls	30   15

## Technical characteristics

dimensional accuracy	EN 1107-2	%	< 1
thickness	EN 1849-2	mm	0,75
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	420 / 490
maximum tensile force after aging MD/CD	EN 12311-1	N/50 mm	400 / 470
elongation MD/CD	EN 12311-1	%	50 / 65
elongation after aging MD/CD	EN 1297/1296	%	50 / 65
tear resistance / nail shaft MD/CD	EN 12310-1	N/200 mm	310 / 280
cold bending behavior	EN 1109	°C	-30
diffusion-equivalent air layer thickness	EN ISO 12572	sd-value-m	0,2
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.

