

TRASPIR 135

Highly breathable membranes

Microporous film and polypropylene (PP) protective layers



FR
CPT 3651_2
HPV
E1-Sd1-TR2

DE
ZVDH
UDB-B
USB-B

IT
UNI 11470
C/R1



TECHNICAL SPECIFICATIONS

property	standard	value
Mass per unit area	EN 1849-2	135 g/m ²
Thickness	EN 1849-2	0.6 mm
Straightness	EN 1848-2	conforming
Water vapour transmission (Sd)	EN 1931 / EN ISO 12572	0.02 m
Maximum tensile force MD/CD	EN 12311-1	280 / 190 N/50 mm
Elongation MD/CD	EN 12311-1	60 / 75 %
Resistance to tearing MD/CD	EN 12310-1	125 / 135 N
Watertightness	EN 1928	class W1
Water column	EN 20811	> 250 cm
UV resistance *	EN 13859-1	2 months
Temperature resistance	-	-40 / +80 °C
Reaction to fire	EN 13501-1	class E
Resistance to penetration of air	EN 12114	< 0.05 m ³ /m ² h50Pa
After ageing:		
• maximum tensile force MD/CD	EN 13859-1	250 / 160 N/50 mm
• watertightness	EN 13859-1	class W1
• elongation MD/CD	EN 13859-1	40 / 50 %
Flexibility at low temperature	EN 1109	-40 °C
Dimensional stability	EN 1107-2	1 %
Thermal conductivity (λ)	-	0.3 W/mK
Specific heat	-	1800 J/kgK
Density	-	approx. 225 kg/m ³
Water vapour resistance factor (μ)	-	approx. 33
Recommended installation pitch	-	> 13°
VOC emissions	-	0 % (class A+)

* for more indications, see page 19

COMPOSITION



- 1 top layer: non-woven PP fabric
- 2 middle layer: PP breathable film
- 3 bottom layer: non-woven PP fabric

CODES AND DIMENSIONS

code	ex code	description	tape	H x L [m]	A [m ²]	pcs/
T135	D23302	TRASPIR 135	-	1.5 x 50	75	28

WHERE CAN IT
BE APPLIED?



TRASPIR SUNTEX 150

Reflective highly breathable membranes

Microporous film and polypropylene (PP) protective layers with plasma aluminized treatment



AT
Onorm B4119
UD-k RU

FR
CPT 3651_2
HPV
E1-Sd1-TR2

CH
SIA 232
UD EB

DE
ZVDH
UDB-A
USB-A

IT
UNI 11470
B/R3

Reflects up to 70% of heat

Equivalent thermal resistance hollow space
50 mm air: $R_g = 0.404 \text{ m}^2\text{K/W}$ (ISO 6946)

Plasma aluminized (durability)



TECHNICAL SPECIFICATIONS

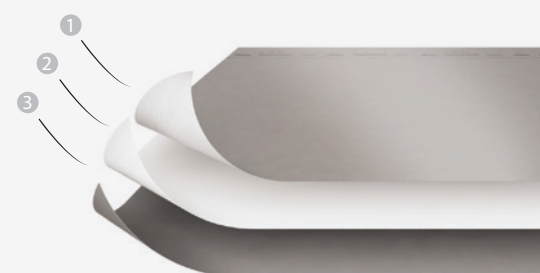
property	standard	value
Mass per unit area	EN 1849-2	150 g/m ²
Thickness	EN 1849-2	0.5 mm
Straightness	EN 1848-2	conforming
Water vapour transmission (Sd)	EN 1931 / EN ISO 12572	0.05 m
Maximum tensile force MD/CD	EN 12311-1	315 / 250 N/50 mm
Elongation MD/CD	EN 12311-1	61 / 66 %
Resistance to tearing MD/CD	EN 12310-1	255 / 270 N
Watertightness	EN 1928	class W1
Water column	EN 20811	> 300 cm
UV resistance *	EN 13859-1	2 months
Temperature resistance	-	-40 / +80 °C
Reaction to fire	EN 13501-1	class E
Resistance to penetration of air	EN 12114	0 m ³ /m ² h50Pa
After ageing:		
• maximum tensile force MD/CD	EN 13859-1	295 / 225 N/50 mm
• watertightness	EN 13859-1	class W1
• elongation MD/CD	EN 13859-1	45 / 47 %
Reflectivity	EN 15976	70 %
Flexibility at low temperature	EN 1109	-40 °C
Dimensional stability	EN 1107-2	-0.6 / 0.5 %
Thermal conductivity (λ)	-	0.3 W/mK
Specific heat	-	1800 J/kgK
Density	-	approx. 300 kg/m ³
Water vapour resistance factor (μ)	-	approx. 100
Recommended installation pitch	-	> 13°
Driving rain test	TU Berlin	passed
VOC emissions	-	0 % (class A+)

* for more indications, see page 19

CODES AND DIMENSIONS

code	ex code	description	tape	H x L [m]	A [m ²]	pcs/
TSUN150	D42632	TRASPIR SUNTEX 150	-	1.5 x 50	75	30

COMPOSITION



- 1 top layer: aluminum-coated non-woven PP
- 2 middle layer: PP breathable film
- 3 bottom layer: non-woven PP fabric

code **SUN75** (D52514)
SUN BAND
page 121

measure: 75 mm x 20 m
pcs/box 8



WHERE CAN IT
BE APPLIED?

