DS 188 ALU

Synthetic reflective barrier

Riwega | eternitycomfort

Technical data sheet of 06/02/2014
Art. 02064008
Rev.09 of 28/04/2026

Material	Reinforced PE. Alu
Film	-
Colour	Aluminium
Roll width	1,5 m
Roll length	50 m
Roll weight	13 Kg
Classification in accordance with UNI 11470 (IT)	B
Classification in accordance with Önorm B4119/B3661 (AT)	Typ I
Classification in accorance with SIA 232-1 (CH)	VU-VO
Conforms to DTU (FR)	31.2

CE
EN 13984

10 years guarantee

PROPERTIES	METHOD	UNITS	NOMINAL VALUE
Areal mass	EN 1849-2	g/m^2	170 (±10g/m2)
Air layer equivalent to the vapour passage [Sd]	EN ISO 12572	m	200
Water vapour diffusion [DVA]	EN ISO 12572	g/m^2 / 24h	ca. 0,2
Water column	EN 20811	cm	-
Resistance to water penetration	EN 13984 (EN1928 Met.A)	-	Passed
Tensile strength MD*	EN 12311-1	N/50mm	290 (±30N/50mm)
Tensile strength CD*	EN 12311-1	N/50mm	260 (±30N/50mm)
Elongation MD*	EN 12311-1	%	15 (±15%)
Elongation CD*	EN 12311-1	%	15 (±15%)
Resistance to tearing MD*	EN 12310-1	N	180 (±15N)
Resistance to tearing CD*	EN 12310-1	N	180 (±15N)
Fire reaction	EN 13501-1	Class	E
UV-stability	-	Months	-
Emissivity	EN 15976	-	0,524
Reflectivity***	-	%	approx.50
Temperature resistance	-	°C	-40 / +80
Radon permeability	ISO 11665-10	m^2/s	2,0 x 10-14
Durability			
Artificial ageing	EN 1926	-	Passed
Alkali resistance	EN 13984 (EN1928 Met.A)	-	npd**

Density	EN 1849-1	Kg/m^3	567
Thickness	EN 1849-2	mm	0,3
Vapour resistance coefficient [μ]	EN ISO 12572	-	666667
Vapour permeability coefficient	-	Kg/m*s*Pa	0,0003*10-12
Thermal conductivity [λ]	-	W/mK	0,4
Specific heat	-	J/KgK	1800

*MD= Machine Direction; CD= Cross Direction

**npd=no performance determined

***Based on numerical calculation

Riwega S.r.l. reserves the possibility to review or change these technical values. The updated technical data sheet can be found on the website www.riwega.com. This data sheet replaces the previous copy.