

DS Reflex A2/140

A2 fire class vapour barrier

Riwega | eternitycomfort

Technical data sheet

of 04/04/2022

Art. 02010345

Rev 02

of 15/07/2024

Material	Pure aluminium - Glass fabric		 EN 13984
Colour	Aluminium		
Roll width	1,2 m		
Roll length	50 m		
Roll weight	9 Kg		
Classification in accordance with UNI 11470 (IT)	C		
Classification in accordance with Önorm B4119/B3661 (AT)	Typ I		
Conforms to DTU (FR)	31.2		

PROPERTIES	METHOD	UNITS	NOMINAL VALUE
Areal mass	EN 1849-2	g/m ²	140 (±14%)
Air layer equivalent to the vapour passage [Sd]	EN 1931 - Method B	m	>2500
Water vapour diffusion [DVA]	EN ISO 12572	g/m ² /24 h	ca. 0,01
Watertightness	EN 1928 (2kPa)	-	Passed
Tensile strenght MD*	EN 12311-2	N/50 mm	>1300
Tensile strenght CD*	EN 12311-2	N/50 mm	>1200
Elongation MD*	EN 12311-2	%	>2,6
Elongation CD*	EN 12311-2	%	>3,5
Resistance to tearing MD*	EN 12310-1	N	>143
Resistance to tearing CD*	EN 12310-1	N	>144
Fire reaction	EN 13501-1	Class	A2-s1, d0
Temperature resistance	-	°C	-40/+100
Reflectivity	-	%	≈ 95
Emissivity of outer surface	EN 16012	%	5 (±3%)
Emissivity of inner surface	EN 16012	%	npd**
Airflow resistance	-	m ³ /(m ² *h*50 Pa)	0
After artificial ageing			
Vapour passage resistance	EN 1931 / EN 1296	-	Conform
Density	-	Kg/m ³	1400
Thickness	EN 1849-2	mm	0,1 (+0,1/-0,05)
Vapour resistance coefficient [μ]	-	-	25000000
Vapour permeability coefficient	-	Kg/m*s*Pa	0,0002*10-12
Thermal conductivity [λ]	-	W/mK	0,22
Specific heat	-	J/KgK	1700

*MD= Machine Direction; CD= Cross Direction

**npd=nessuna performance determinata

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.