



USB Reflex A2/430

A2 fire reaction class highly breathable membrane
Riwega | eternitycomfort

Technical data sheet
of 04/04/2022
Art. 02010344
of Rev.00

Material	Micro-perforated aluminium foil, functional film, glass fiber fabric	 EN 13859-1/2
Colour	Aluminium	
Roll width	1,2 m	
Roll length	35 m	
Roll weight	19 Kg	
Classification in accordance with UNI 11470 (IT)	A	
Classification in accordance with ZVDH (DE)	UDB-A - USB-A	
Classification in accordance with Önorm B4119/B3661 (AT)	Typ II	
Classification in accordance with SIA 232-1 (CH)	UD EB-NB	
Conforms to DTU (FR)	40.29	

PROPERTIES	METHOD	UNITS	NOMINAL VALUE
Areal mass	-	g/m ²	430 (±10%)
Air layer equivalent to the vapour passage [Sd]	EN 12572	m	0,08 (±0,01)
Water vapour diffusion [DVA]	EN ISO 12572	g/m ² / 24h	ca.500
Heavy rain test	TU Berlin	-	Superato
Resistance to water penetration	EN 1928	-	W1
Tensile strength MD*	EN 12311-1	N/50 mm	3000 (±400 N/50mm)
Tensile strength CD*	EN 12311-1	N/50 mm	3200 (±400 N/50mm)
Elongation MD*	EN 12311-1	%	6 (±2%)
Elongation CD*	EN 12311-1	%	5 (±2%)
Resistance to tearing MD*	EN 12310-1	N	580 (±75N)
Resistance to tearing CD*	EN 12310-1	N	450 (±75N)
Fire reaction	EN 13501-1	Class	A2-s1,d0
UV-stability	-	Months	9
Temperature resistance	-	°C	-40/+90
Flexibility at low temperatures	EN 1109	°C	-40 (MLV**)
Emissivity of outer surface	EN 15976	%	5 (±3)
After artificial ageing			
Resistance to water penetration	EN 1928	-	W1
Tensile strength MD*	EN 12311-1	N/50 mm	3000 (±50 N/50mm)
Tensile strength CD*	EN 12311-1	N/50 mm	3200 (±50 N/50mm)
Elongation MD*	EN 12311-1	%	6 (±2%)
Elongation CD*	EN 12311-1	%	5 (±2%)
Density	-	Kg/m ³	1000
Thickness	EN 823	mm	0,43 (+0/-0,04)
Vapour resistance coefficient [μ]	EN 12572	-	186
Vapour permeability coefficient	-	Kg/m ² s*Pa	1,0376*10 ⁻¹²
Thermal conductivity [λ]	-	W/mK	0,22
Specific heat	-	J/KgK	1700

*MD= Machine Direction; CD= Cross Direction

**MLV=Manufacturer's limit value

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.