



# DS 188 ALU

Synthetic reflective barrier  
Riwega | eternitycomfort

Technical data sheet  
of 06/02/2014  
Art. 02064008  
Rev.07 of 29/11/2021

Material	Reinforced PE. Alu	 EN 13984
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 Onorm B4119/B3661 (AT)	Typ I	
Classification in accordance with SIA 232-1 (CH)	VU-VO	
Conforms to DTU (FR)	31.2	

PROPERTIES	METHOD	UNITS	NOMINAL VALUE
Areal mass	EN 1849-2	g/m <sup>2</sup>	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 <sup>2</sup> / 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

## Durability

Artificial ageing	EN 1926	-	Passed
Alkali resistance	EN 13984 (EN1928 Met.A)	-	npd**

Density	EN 1849-1	Kg/m <sup>3</sup>	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](http://www.riwega.com). This data sheet replaces the previous copy.