DS 1500 SYN STRONG

Synthetic vapour and radon barrier

Riwega | eternitycomfort

Rev. 00

Technical data sheet of 23/09/2024

Art. 020640071

of -

Material	PP.PE.Alu.PE.PP
Film	-
Colour	White
Roll width	1,5 m
Roll length	50 m
Roll weight	15 Kg
Classification in accordance with UNI 11470 (IT)	A
Class. in accordance with Önorm B4119/B3661 (AT)	Typ I
Classification in accorance with SIA 232-1 (CH)	VU-VO G+R
Conforms to DTU (FR)	31.2

CE

EN 13984

15 years guarantee

PROPERTIES	METHOD	UNITS	NOMINAL VALUE
Areal mass	EN 1849-2	g/m^2	200 (±10g/m2)
Air layer equivalent to the vapour passage [Sd]	EN ISO 12572	m	3000
Water vapour diffusion [DVA]	EN ISO 12572	g/m^2 / 24h	ca. 0,02
Water column	EN 20811	cm	-
Resistance to water penetration	EN 13984 (EN1928 Met.A)	-	Passed
Tensile strength MD*	EN 12311-1	N/50mm	380 (±30N/50mm)
Tensile strength CD*	EN 12311-1	N/50mm	275 (±30N/50mm)
Elongation MD*	EN 12311-1	%	80 (±20%)
Elongation CD*	EN 12311-1	%	80 (±20%)
Resistance to tearing MD*	EN 12310-1	N	230 (±30N)
Resistance to tearing CD*	EN 12310-1	N	260 (±30N)
Fire reaction	EN 13501-1	Class	E
UV-stability	UNI 11470:2015	Weeks	2
Temperature resistance	-	°C	-40 / +100
Radon permeability	ISO 11665-10	m^2/s	$1,64 \times 10^{-14}$
Durability			
Artificial ageing	EN 1926 (70°C)/EN 1931	-	Passed
Alkali resistance	EN 1847(Typ2)/EN 12311-2	-	Passed

Density	EN 1849-1	Kg/m^3	308
Thickness	EN 1849-2	mm	0,65 (±0,1)
Vapour resistance coefficient [μ]	EN ISO 12572	-	4615385
Vapour permeability coefficient	-	Kg/m*s*Pa	0,00005*10-12
Thermal conductivity [λ]	-	W/mK	0,22
Specific heat	-	J/KgK	1700

* MD= Machine Direction; CD= Cross Direction.

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.