USB Fire Zero

High breathable membrane with fireproof surface finishing

Riwega | eternitycomfort

Rev.03

Technical data sheet of 27/06/2018

Art. 02010341 of 27/03/2024

Material	PP.PP.Graphite
Film	PP
Colour	Anthracite gray
Durability under integrated FTV	Yes
Roll width	1,1 m
Roll length	20 m
Roll weight	16 Kg
Classification in accordance with UNI 11470 (IT)	A
Classification in accordance with Önorm B4119/B3661 (AT)	Typ II
Conforms to DTU (FR)	40.29

CE

EN 13859 - 1

10 years guarantee

Properties	Method	Units	Nominal value
Areal mass	EN 1849-2	g/m2	720 (±5%)
Air layer equivalent to the vapour passage [Sd]	EN ISO 12572	m	0,08
Water vapour diffusion [DVA]	EN ISO 12572	g/m2 / 24h	ca.250 (±15%)
Water column	EN 20811	cm	> 200
Resistance to water penetration	EN 1928 (Met. A)	-	W1
Tensile strength MD*	EN 12311-1	N/50mm	300 (±15%)
Tensile strength CD*	EN 12311-1	N/50mm	275 (±15%)
Elongation MD*	EN 12311-1	%	2-3
Elongation CD*	EN 12311-1	%	2-3
Resistance to tearing MD*	EN 12310-1	N	180 (±15%)
Resistance to tearing CD*	EN 12310-1	N	220 (±15%)
Fire reaction	EN 13501-1 **Test method** EN 11925-2/EN 13823 (SBI) EN 13501-5 UNI CEN/TS 1187	Class Class	B s1 d0 Broof (t2), (t3) e (t4)
UV-stability	Internal test, UVB	Months	6
Flexibility at low temperatures	EN 13859-1	°C	-20
Dimensional stability MD/CD*	EN 13859-1 (80°C)	%	-1<ΔL<0
Resistance to air penetration	EN 12114 Δp max 100Pa	m3/(m2h50Pa)	<0,3

After artificial aging

Resistance to water penetration	EN 1928 (Met. A)	-	W1
Tensile strength MD/CD*	EN 12311-1	N/50mm	285 / 234 (±15%)
Elongation MD/CD*	EN 12311-1	%	2-3 / 2-3

Data for hygrotermic calculation			Graphite	Polypropylene
Density	EN 1849-1	Kg/m3	1029	1440
Thickness	EN 1849-2	mm	0,7	0,5
Vapour resistance coefficient [μ]	EN ISO 12572	-	114	160
Vapour permeability coefficient	-	Kg/m*s*Pa	1,693*10-12	1,2063*10-12
Thermal conductivity [λ]	-	W/mK	4,9	0,22
Specific heat	-	J/KgK	691	1700

*MD= Machine Direction; CD= Cross Direction

Accessories: Fire Zero Liquid Art. 02010342 - water-based paint based on graphite to waterproof the joints with USB Fire Zero

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.