# USB Reflex A2/430

A2 fire reaction class highly breathable membrane

Riwega | eternitycomfort

Technical data sheet
of 04/04/2022
Art. 02010344
Rev01 of 28/02/2024

| | |
|---|---|
| Material | Micro-perforated aluminium foil, functional film, glass fiber fabric |
| 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 accorance with SIA 232-1 (CH) | UD EB-NB |
| Conforms to DTU (FR) | 40.29 |

CE
EN 13859-1/2

10 years guarantee

| PROPERTIES | METHOD | UNITS | NOMINAL VALUE |
|---|---|---|---|
| Areal mass | - | g/m2 | 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/m2 / 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 |
| Reflectivity | EN 15976 | % | 95 |
| Temperature resistance | - | °C | -40/+90 |
| Flexibility at low temperatures | EN 1109 | °C | -40 (MLV**) |
| Emission coefficient | EN ISO 22097 | ε | 0,04 |
| **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/m3 | 1000 |
| Thickness | EN 823 | mm | 0,43 (+0/-0,04) |
| Vapour resistance coefficient [μ] | EN 12572 | - | 186 |
| Vapour permeability coefficient | - | Kg/m*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.