

VSK Bitum Reflex 400

Self-adhesive bituminous membrane with reinforced aluminium foil surface
Riwega | eternitycomfort



Technical data sheet

of 27/10/2023

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Rev.01

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| | | |
|-------------------------|---|--|
| Material | Elastomeric bitumen - cold self-adhesive membrane |  EN 13970 DIN 18234-1 |
| Upper layer | Special aluminum composite | |
| Protection liner | Silicone liner (H=1,08m) | |
| Colour | Reflective aluminium grey | |
| Roll width (EN 1848-1) | 1,08 m | |
| Roll length (EN 1848-1) | 50 m |  |

| PROPERTIES | METHOD | UNITS | VALUE |
|---|---------------|-------------------|------------------|
| Fire reaction | EN 13501-1 | Class | E |
| Areal mass | EN 1849-1 | g/m ² | ca.400 |
| Sd value | EN 1931 | m | >1500 |
| Resistance to water penetration (10kPa) | EN 1928 Met.A | - | Passed |
| Tensile strength MD* | EN 12311-1 | N/50mm | 800 (±200N/50mm) |
| Tensile strength CD* | EN 12311-1 | N/50mm | 800 (±200N/50mm) |
| Elongation MD* | EN 12311-1 | % | 20 (±5%) |
| Elongation CD* | EN 12311-1 | % | 10 (±5%) |
| Resistance to tearing MD* | EN 12310-1 | N | 300 (±100N) |
| Resistance to tearing CD* | EN 12310-1 | N | 300 (±100N) |
| Shear strength of the joint MD/CD* | EN 12317-1 | N/50mm | npd** |
| Low temperature flexibility | EN 1109-1 | °C | ≤ -40 |
| Heat resistance | EN 1110 | °C | 110 |
| Processing temperature (recommended) | - | °C | ≥+10 |
| Fire loading | DIN 18234-1 | MJ/m ² | ≤11,6 |
| Straightness | EN 1848-1 | mm/10m | <20 |
| Resistance to shock loads | EN 12691 | mm | npd** |
| Durability - Artificial ageing | | | |
| Resistance to water penetration (10kPa) | EN 1928 Met.A | - | Passed |
| Sd value | EN 1931 | m | >1500 |

| | | | |
|-----------------------------------|-----------|-------------------|--------------|
| Density | - | kg/m ³ | 1000 |
| Thickness | EN 1849-1 | mm | 0,4 |
| Vapour resistance coefficient [μ] | - | - | 3750000 |
| Vapour permeability coefficient | - | Kg/m*s*Pa | 0,0002*10-12 |
| Thermal conductivity [λ] | - | W/mK | 0,17 |
| Specific heat | - | J/KgK | 840 |

* MD= Machine Direction; CD= Cross Direction

**npd: no performance determined

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.