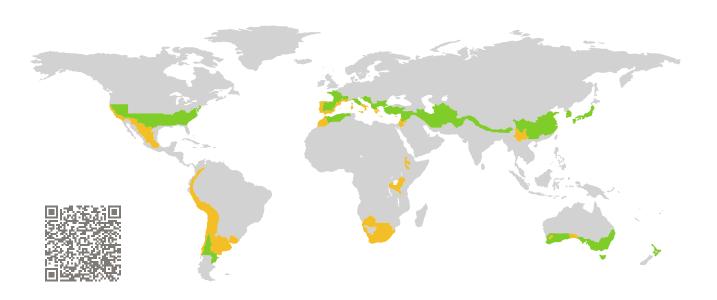
CERTIFICATE

Certified Passive House Component

Component-ID 1481wi04 valid until 31st December 2025

Passive House Institute
Dr. Wolfgang Feist
64283 Darmstadt
Germany



Category: Window Frame

Manufacturer: Piva Group S.p.A.,

Roncanova di Gazzo Veronese (VR),

Italy

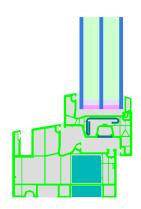
Product name: PVC Piva Serie MD R

This certificate was awarded based on the following criteria for the warm, temperate climate zone

Comfort $U_W = 0.98 \le 1.00 \,\text{W/(m}^2 \,\text{K)}$

 $U_{W,\text{installed}} \leq 1.05 \text{ W/(m}^2 \text{ K)}$ with $U_q = 0.90 \text{ W/(m}^2 \text{ K)}$

Hygiene $f_{Rsi=0.25}$ \geq 0.65

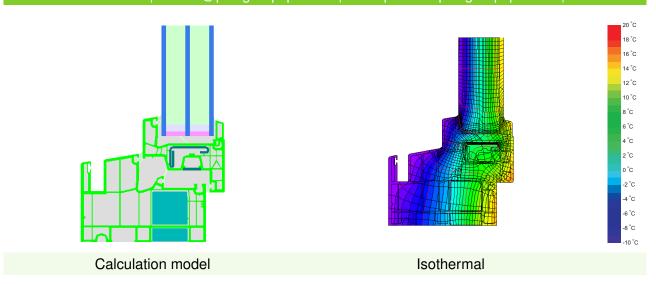




Piva Group S.p.A.

Via Roma, 139, 37060 Roncanova di Gazzo Veronese (VR), Italy

☆ +39 0442 536111 |
info@pivagroupspa.com |
http://www.pivagroupspa.com |
http://www.



Description

PVC-windowframe ingrated roller shutter. Reinforced by steel inside the bottom and lateral sash as well as in the top frame. Insulated by EPS (0.035 W/(mK)). Pane thickness: 48 mm (4/18/4/18/4), rebate depth: 18 mm. Spacer: Multitech.

Explanation

The window U-values were calculated for the test window size of 1.23 m \times 1.48 m with U_g = 0.90 W/(m² K). If a higher quality glazing is used, the window U-values will improve as follows:

Transparent building components are classified into efficiency classes depending on the heat losses through the opaque part. The frame U-Values, frame widths, thermal bridges at the glazing edge, and the glazing edge lengths are included in these heat losses. A more detailed report of the calculations performed in the context of certification is available from the manufacturer.

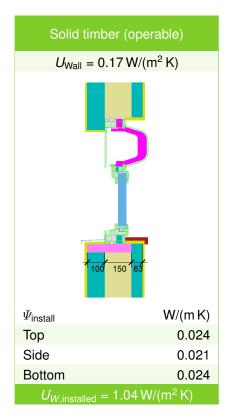
The Passive House Institute has defined international component criteria for seven climate zones. In principle, components which have been certified for climate zones with higher requirements may also be used in climates with less stringent requirements. In a particular climate zone it may make sense to use a component of a higher thermal quality which has been certified for a climate zone with more stringent requirements.

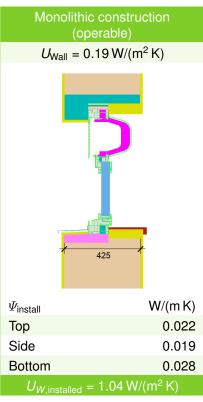
Further information relating to certification can be found on www.passivehouse.com and passipedia.org.

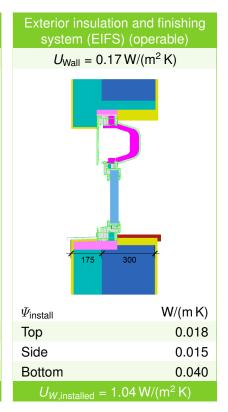
PVC Piva Serie MD R

2/4

Validated installations







Frame values	5		Frame width <i>b_f</i> mm	<i>U</i> -value frame <i>U_f</i> W/(m² K)	Ψ -glazing edge $\Psi_{\mathcal{G}}$ W/(m K)	Temp. Factor f _{Rsi=0.25} [-]
Mullion 1 casement	(1M1)	7	132	1.24	0.026	0.67
Flying Mul- lion	(FM1)	7	146	1.16	0.026	0.62
Bottom	(OB1)		116	0.95	0.026	0.70
Тор	(OH1)	Ť	362	0.93	0.026	0.69
Lateral	(OJ1)	1	116	0.95	0.026	0.70
		Space	er: MULTITECH	Secondary seal: Polysulfide		

