



**Series 1.0 VF50 RR**  
**Transom-transom façade design**  
**thermally insulated**

<b>Information on the series*</b>	<b>Design features</b>	<ul style="list-style-type: none"> <li>• Design for vertical, slanting, level or polygonal curtain walls</li> <li>• Identical profile geometry for mullion and transom, mullion offcut can be used as transom</li> <li>• Straight cuts, no notching of transoms required</li> <li>• Ideal for floor and ceiling connection as mullion and transom are possible without offsetting</li> <li>• Optimised profile geometry with regard to weight and static parameters</li> <li>• Smoothed-off edges at the mullion and transom profile with a small radius of 0.8 mm</li> <li>• Various cover profiles</li> </ul>
	<b>Modular system</b>	<ul style="list-style-type: none"> <li>• System components suitable for all the series: fittings, accessories, supplementary profiles, auxiliary accessories, tools</li> </ul>
	<b>Surfaces</b>	<ul style="list-style-type: none"> <li>• Anodisation in accordance with DIN 17611</li> <li>• Plastic coating (wet paint, powder coating lacquer) in accordance with DIN 50939</li> </ul>
	<b>Connecting technology</b>	<ul style="list-style-type: none"> <li>• Mullion-transom connection approved by the building supervisory authority</li> </ul>
	<b>Elevation width</b>	<ul style="list-style-type: none"> <li>• Transom and cover profiles with an elevation width of 50 mm in various profile geometries</li> </ul>
	<b>Profile depth</b>	<ul style="list-style-type: none"> <li>• Between 32 and 193.5 mm in accordance with static requirements</li> </ul>
	<b>Insulating zone</b>	<ul style="list-style-type: none"> <li>• Spacer profiles made of glass fibre-reinforced polypropylene</li> <li>• Foamed insulating profiles for increased thermal insulation</li> </ul>
	<b>Glazing</b>	<ul style="list-style-type: none"> <li>• Glass thickness between 4 and 48 mm</li> <li>• External glazing with EPDM sealing profiles and screwed aluminium pressure plate profile</li> <li>• Internal sealing profiles optionally as vulcanised frames or as metre-length material</li> <li>• Continuous uniform gasket thickness on the room side</li> </ul>
	<b>Gaskets</b>	<ul style="list-style-type: none"> <li>• Vulcanised shaped gasket pieces covering the entire joint area are used in the transom connection area</li> <li>• Optionally single-piece or two-piece EPDM gaskets as external gasket</li> <li>• Weather-independent, can be inserted on site without sealing material</li> <li>• EPDM spacer blocks to avoid crackling noise</li> </ul>
	<b>Vapour pressure equalisation</b>	<ul style="list-style-type: none"> <li>• Drainage principle by means of special transom housing gasket</li> <li>• Shaped ventilation piece can be inserted at a later time</li> <li>• Concealed openings in the pressure plate profiles of the mullions</li> </ul>
	<b>Insert elements</b>	<ul style="list-style-type: none"> <li>• Series 1.0: Window, window IF, door, top-hung projecting out window</li> <li>• Series 72 E: Window, integrated window, door, top-hung projecting out window</li> <li>• Skylight windows: Series VF 50/VF 60, Series 85 E</li> </ul>
	<b>Safety constructions</b>	<ul style="list-style-type: none"> <li>• Burglar protection WK1, WK2, WK3 in accordance with ENV 1627</li> <li>• Fire protection: BSC-VF50 RR in accordance with EN 1364-1, fire-resistance class EI30 or EW30 respectively</li> </ul>

<b>Building physics*</b>	<b>Thermal insulation</b>	With spacer profiles made of polypropylene	DIN V 4108-4 EN ISO 10077-2	<b>U<sub>f</sub> 1.7 W/m<sup>2</sup>K – 3.5 W/m<sup>2</sup>K</b> U <sub>f</sub> see SCT register
		With foamed insulating profiles for increased thermal insulation	DIN V 4108-4 EN ISO 10077-2	<b>U<sub>f</sub> 1.0 W/m<sup>2</sup>K – 1.4 W/m<sup>2</sup>K</b> U <sub>f</sub> see SCT register
	<b>Water tightness</b>	Static class	EN 12154	<b>RE 750</b>
		Dynamic class	ENV 13050	<b>250 Pa/750 Pa</b>
	<b>Air permeability</b>		EN 12152	<b>Class 4A</b>
	<b>Resistance to wind load</b>		EN 13116	<b>Test load 2000 Pa, safety 3000 Pa</b>
	<b>Sound reduction</b>		EN ISO 140-3	<b>R<sub>D,R</sub> up to 44 dB</b>

\* All standards referred to herein, were valid at time of printing.

Valid test reports as well as technical information can be found in the download area of the site [www.hueck-hartmann.com](http://www.hueck-hartmann.com)



