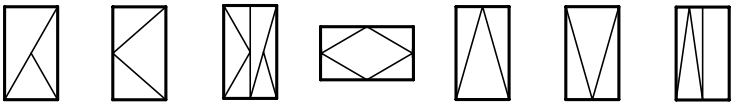


## **Series 1.0**

**Window construction made of  
thermally insulated profiles**

<b>Information on the Series*</b>	<b>Design features</b>	<ul style="list-style-type: none"> <li>Variety of design possibilities and solutions, narrow elevation width</li> <li>Three-chamber profiles, factory-mounted insulating composite</li> <li>Max. sash weight 160 kg</li> <li>Can be coated at a later time</li> <li>Numerous easy to mount wall connecting variants</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>Corner bracket: crimpable, nailable, retro gluing after assembly</li> <li>T-bracket for fixed frame and transom joints</li> </ul>
	<b>Elevation width</b>	<ul style="list-style-type: none"> <li>Narrow elevation width of fixed and sash frame from 97 mm</li> </ul>
	<b>Profile depth</b>	<ul style="list-style-type: none"> <li>Fixed frame: 72 mm, sash: 83 mm</li> </ul>
	<b>Insulating zone</b>	<ul style="list-style-type: none"> <li>Factory-mounted, glass fibre-reinforced polyamide strips with PU foam</li> </ul>
	<b>Glazing</b>	<ul style="list-style-type: none"> <li>Glass thickness between 18 mm and 53 mm depending on the sash profile</li> <li>Optionally round or angular glazing beads</li> </ul>
	<b>Gaskets</b>	<ul style="list-style-type: none"> <li>Centre seal gasket: thermally insulating hollow chamber gasket with vulcanised corners or optionally vulcanised frame</li> <li>Glazing/rebate gasket: narrow elevation widths on inside and outside, gaskets can be drawn in continuously</li> </ul>
	<b>Insert elements</b>	 <ul style="list-style-type: none"> <li>Also as rotary handle turn-tilt solution</li> <li>Opening in or out</li> </ul>
<b>Safety constructions</b>	<ul style="list-style-type: none"> <li>Burglar protection: WK 1, WK 2, WK 3 in accordance with ENV 1627; SKG2 in accordance with NEN 5096</li> <li>Bullet resistance: FB 4 S/FB 4 NS in accordance with EN 1522</li> <li>RWA<sup>plus</sup>: NSHEV in accordance with EN 12101-2</li> </ul>	

<b>Building physics*</b>	<b>Thermal insulation</b>	DINV 4108-4 EN ISO 10077-2	<b>U<sub>f,BW</sub> from 1.4 W/m<sup>2</sup>K to 2.2 W/m<sup>2</sup>K</b> U <sub>f</sub> see SCT register
	<b>Water tightness</b>	EN 12208	<b>Class 9A</b>
	<b>Air permeability</b>	EN 12207	<b>Class 4</b>
	<b>Resistance to wind load</b>	DIN 18055	<b>C</b>
	<b>Sound reduction</b>	EN ISO 140-3	<b>R<sub>w,R</sub> up to 45 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)