



Series 2.1 EU

**Window and door construction
made of thermally insulated profiles**

Information on the Series*	Design features	<ul style="list-style-type: none"> Variety of design possibilities and solutions, narrow elevation width Three-chamber profiles, factory-mounted insulating composite Can be coated at a later time Numerous easy to mount wall connecting variants
	Modular system	<ul style="list-style-type: none"> System components suitable for all the series: fittings, accessories, supplementary profiles, auxiliary accessories, tools
	Surfaces	<ul style="list-style-type: none"> Anodisation in accordance with DIN 17611 Plastic coating (wet paint, powder coating lacquer) in accordance with DIN 50939
	Connecting technology	<ul style="list-style-type: none"> Corner bracket: crimpable, nailable, retro gluing after assembly T-bracket for fixed frame and transom joints
	Elevation width	<ul style="list-style-type: none"> Narrow elevation width of fixed and sash frame from 82 mm
	Profile depth	<ul style="list-style-type: none"> Fixed frame: 65 mm, Sash: 76 mm
	Insulating zone	<ul style="list-style-type: none"> Factory-mounted, glass fibre-reinforced polyamide strips
	Glazing	<ul style="list-style-type: none"> Glass thickness between 14 mm and 50 mm depending on the sash profile Optionally round or angular glazing beads
	Gaskets	<ul style="list-style-type: none"> Centre seal gasket: EPDM gasket with vulcanised corners or optionally vulcanised frame Glazing/rebate gasket: narrow elevation widths on inside and outside, gaskets can be drawn in continuously
	Insert elements	
	Safety constructions	<ul style="list-style-type: none"> Burglar protection: SKG2 in accordance with NEN 5096

Building physics*	Thermal insulation	DIN V 4108-4 EN ISO 10077-2	U_{f,BW} from 2.2 W/m²K to 3.0 W/m²K U_f see SCT register	
	Water tightness	Horizontal pivoted	EN 12208	Class 3A
		Other insert elements	EN 12208	Class 9A
	Air permeability	Horizontal pivoted	EN 12207	Class 3
		Other insert elements	EN 12207	Class 4
	Resistance to wind load	Horizontal pivoted	DIN 18055	Class A
		Other insert elements	DIN 18055	Class C
Sound reduction	EN ISO 140-3	R_{w,R} up to 42 dB		

* 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

Information on the Series*	Design features	<ul style="list-style-type: none"> • Various design possibilities for doors and partitions, narrow elevation widths, variable bottom rail heights, glass transoms • Max. sash weight 170 kg • Max. sash sizes 1300 mm wide x 2200 mm high or 1100 mm wide x 2300 mm high • Three-chamber profiles, factory-mounted insulating composite • Can be coated at a later time • Numerous easy to mount wall connecting variants
	Modular system	<ul style="list-style-type: none"> • System components suitable for all the series: fittings, accessories, supplementary profiles, auxiliary accessories, tools • Series 1.0 Door, 1.0 Door Contour, A 72, R S C and B S C with identical optics: identical with regard to elevation width, gap dimension, gaskets and glass bite
	Surfaces	<ul style="list-style-type: none"> • Anodisation in accordance with DIN 17611 • Plastic coating (wet paint, powder coating lacquer) in accordance with DIN 50939
	Connecting technology	<ul style="list-style-type: none"> • Corner bracket: crimpable, nailable, retro gluing after assembly • T-bracket for transom joints
	Elevation width	<ul style="list-style-type: none"> • Narrow elevation width of fixed and sash frame from 142 mm
	Profile depth	<ul style="list-style-type: none"> • Fixed frame: 72 mm, Sash: 72 mm
	Insulating zone	<ul style="list-style-type: none"> • Factory-mounted, glass fibre-reinforced polyamide strips • Profiles for fixed glazing in the space with PU foam
	Glazing	<ul style="list-style-type: none"> • Glass thickness between 18 mm and 53 mm depending on the sash profile • Optionally round or angular glazing beads
	Gaskets	<ul style="list-style-type: none"> • Glazing/rebate gasket: narrow elevation widths on inside and outside, gaskets can be drawn in continuously
	Insert elements	<ul style="list-style-type: none"> • One or two sashes • Opening in or out • Possible as swing door, finger protection door, with two sashes as push/pull door as well as with overhead or bottom door closer depending on requirements 
Fittings	<ul style="list-style-type: none"> • All common fitting variants • Barrel hinges out of aluminium, steel or stainless steel • Surface-mounted hinges out of aluminium • Dual locking system for automatic secondary leaf locking 	
Safety constructions	<ul style="list-style-type: none"> • Burglar protection: SKG2 in accordance with NEN 5096 • Bullet resistance: FB 4 NS in accordance with EN 1522 • Escape door systems: emergency exit locks in accordance with EN 179 and panic locks in accordance with EN 1125, door hinges in accordance with EN 1935 	

Building physics*	Thermal insulation		DIN V 4108-4 EN ISO 10077-2	$U_{f,BW} = 3.0 \text{ W/m}^2\text{K}$ U_f see SCT register
	Water tightness	opening in	EN 12208	Class 2A
		opening out	EN 12208	Class 4A
	Air permeability			EN 12207
Resistance to wind load			DIN 18055	A

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