

# Technical product data sheet

<b>Worktops</b>		
<b>I</b>	<b>Standard</b>	
1)	<b>Material thickness</b>	38 mm
2)	<b>Core/substrate material</b>	Chipboard
3)	<b>Surface material</b>	Laminate (CPL/HPL)
4)	<b>Laminate thickness</b>	0,6-0,8 mm
5)	<b>Surface structure</b>	Wood pore or relief, matt, gloss
6)	<b>Front edge types</b>	
	<b>N edge</b>	The panel is laminated around both rounded front edges.
	<b>Inset N edge</b>	A laterally inset worktop piece laminated around both rounded front edges.
	<b>Décor edge</b>	The front and sides of the worktops are laminated with 1.5 mm thick PP plastic or acrylic lippings (straight décor edges). A square version or a version with a 30 mm inner radius and a 20 mm outer radius are also available. The PP edging is glued with waterproof PUR adhesive.
7)	<b>Bottom face coating</b>	Water repellent resin impregnated paper, sealed with the laminate on the bottom or top face.
8)	<b>Sealing</b>	Must take place on site for cut-outs as well as tongue and groove connections using a moisture-repelling agent. Worktop sealing tape is included in the fittings box.

<b>II</b>	<b>Slimline</b>	
1)	<b>Material thickness</b>	16 mm
2)	<b>Core/substrate material</b>	HDF
3)	<b>Surface material</b>	Laminate (CPL/HPL)
4)	<b>Laminate thickness</b>	0,6 – 0,8 mm, both faces
5)	<b>Surface structure</b>	Wood pore or relief
6)	<b>Front edge types</b>	
	<b>Décor edge</b>	Worktops are laminated with a 1.2 mm thick décor edge all around. Only square versions are possible.
7)	<b>Bottom face coating</b>	CPL/HPL
8)	<b>Sealing</b>	Must take place on site for cut-outs as well as tongue and groove connections using a moisture-repelling agent. Worktop sealing tape is included in the fittings box.
9)	<b>Dimensions</b>	The maximum width is 3,400mm.

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III	Console panel	
1)	Material thickness	100 mm
2)	Substrate material	Sandwich chipboard
3)	Surface material	Laminate (CPL/HPL)
4)	Laminate thickness	0,6 – 0,8 mm, both faces
5)	Surface structure	Wood pores or relief
6)	Edge Type	
	Décor edge	With 1.5 mm thick PP edging all around
7)	Coating of the underside	Laminate (CPL/HPL)
8)	Dimensions	Minimum dimensions: 200 x 200mm Maximum: 1200mm deep, 1800mm wide
9)	Assembly	50 % of the console panel must rest on the support panel. Built-in hot plates and sinks are not possible.

Fronts		
1)	Material thickness	19 mm, 22 mm
2)	Core/substrate material	Chipboard, MDF
3)	Surface material	Melamine, laminate, lacquer, polymer foil, acrylic, real glass
4)	Design	range-referenced
5)	Fastening	at least two clip hinges per front
6)	Cushioning	All fronts are cushioned on the inner face with 2 mm thick plastic bumpers. All drawers, pull-outs and flaps are supplied standard with cushioned fittings. Hinged doors also come standard with additional cushioning integrated in the hinge.
7)	Glazing	Clear floating glass, etched matt glass, black glass, and range-dependent glazing
8)	Edge design	Thick edging made of PP or acrylic. Depending on the range, also available with lacquer, foil or laminate vertically and / or horizontally wrapped around the edges .
9)	Real glass fronts	Substrate material (16 mm chipboard), 3 mm ESG-glass, acrylic edging all around, depending on range also available with lacquered or printed front or back face
10)	Digital print	Chipboard substrate, laminated, printed, lacquered

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Carcase Material		
1)	<b>Side panels and construction shelves</b>	
	<b>Material thickness</b>	16 mm/19 mm
	<b>Core/substrate material</b>	Chipboard
	<b>Surface material</b>	Direct coating on melamine resin basis
	<b>Surface colour</b>	Standard: White carcase interior, décor exterior Exception for glass wall units and shelves (carcase interior and exterior in the same décor), wall unit bottom face in décor
	<b>Edging</b>	BU: front: PP edging in carcase décor, top, bottom, rear: paper edging TU: front: PP edging in carcase décor, top, bottom, rear: paper edging WU :front: PP edging in carcase décor, top + bottom: PP thin edging in carcase décor, rear: blind edging
2)	<b>Loose shelves</b>	
	<b>Material thickness</b>	
	<b>Wood</b>	16 mm
	<b>Glass</b>	5 mm / 6 mm (folding/lifting unit) / 8 mm (glass cabinets)
	<b>Load capacity (wood/ glass)</b>	Maximum recommended load for wood and glass shelves: 50kg/m <sup>2</sup>
	<b>Core/substrate material</b>	Chipboard/Glass
	<b>Surface material</b>	Direct coating on melamine resin basis
	<b>Surface colour</b>	Standard: white loose shelf Loose glass shelves for glass wall units; for shelf units in carcase colour
	<b>Edging</b>	Front: PP edging, side and rear edge paper edging and melamine edging
3)	<b>Back panel</b>	
	<b>Material thickness</b>	2,8 mm
	<b>Core/substrate material</b>	Hardboard (HDF, MDF)
	<b>Surface colour</b>	Inside in lacquered / printed décor
4)	<b>Uprights / Cover panels / Lighted bottom shelves</b>	
	<b>Material thickness</b>	16, 25, 50, 100 mm
	<b>Surface material</b>	16, 25, 50, 100 mm: Direct coating on melamine resin basis or acrylic coating (ultra high gloss) 16, 25 mm: also possible in lacquer 16 mm : also possible in lacquered laminate
	<b>Surface colour</b>	16, 25, 50 mm: Surface colour according to sales manual available in carcase and worktop décor, partially also in front material as well as high gloss and ultra high gloss décor
	<b>Illumination</b>	Glazed and lighted bottom panel or integrated LED lighting
5)	<b>Niche claddings</b>	
	<b>Material thickness</b>	16 mm
	<b>Core/substrate material</b>	Chipboard

	<b>Dimensions</b>	maximum width: 2580 mm, maximum height: 2030 mm(exception: all HG décors, F014 stainless steel and colours 115, 134, 186, 195, 200, 319, 343, 346 => max. 1200 mm)
	<b>Surface colour</b>	Design in carcass, worktop décor and in stainless steel appearance, niche claddings with digitally printed motifs and varnished
	<b>Direction of finish</b>	horizontal, exception: F226 Metal art décor
<b>6)</b>	<b>Glass niche claddings</b>	
	<b>Material thickness</b>	16 mm
	<b>Dimensions</b>	height: 250 - 1200 mm, width 250 - 2500 mm
	<b>Core/substrate material</b>	Chipboard (substrate material): 12 mm Security glass (ESG): 4 mm
	<b>Surface colour</b>	silver, white HG, black HG, satin grey HG, alpine white HG, savannah HG, glass appearance, ivory HG, sand HG, masterflow black matt
	<b>Special features</b>	According to sales manual notches, chamfered cuts and drill holes possible
<b>7)</b>	<b>Side panels</b>	
	<b>Material thickness</b>	16 mm
	<b>Substrate material</b>	Chipboard (16 mm thick) ESG glass (12 mm substrate board, 4 mm glass coating)
	<b>Surface colour</b>	Available colours according to sales manual, not available in the following colours: stainless steel appearance, Colour Concept 241, 246, 248, 249, 254, 257, slate décor 066, basalt oak 128, black 186
	<b>Dimensions</b>	Width dimensions: 250 - 2580 mm available Standard height: 368 mm Variable height: 250 to 500 mm (glass only available in standard height)
	<b>Profiles</b>	End profile on top / bottom / side, intermediate profile, brush profile, groove cover for end profile on top, profile strip for railing system with mounts for panel wall
	<b>Accessories</b>	Wall shelf (16/25 mm thick), shelf, glass shelf, LED wall light
<b>8)</b>	<b>Shelf and rear wall connection</b>	
	<b>Base unit</b>	Shelf and side panels with glued in hardwood dowels (8x30 mm) as corner connection
	<b>Wall unit</b>	Shelf and side panels with glued in hardwood dowels (8x30 mm) as corner connection
	<b>Tall unit</b>	Shelf and side panels with glued in hardwood dowels (8x30 mm) as corner connection
	<b>Back panel</b>	grooved in 4-6 mm deep in the side panel, screwed at the top and bottom to the bottom shelf For wall units upwards of 1,000mm width without centre posts, the back panel is divided at the centre by a guide rail
<b>9)</b>	<b>Fastening of the loose shelves</b>	Metal shelf supports
<b>10)</b>	<b>Loose shelf adjustment</b>	Group of holes

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Plinth		
1)	Plinth panel	
	Material thickness	13 mm
	Core/substrate material	MDF/ hollow chamber sealing profile
	Surface material	Direct coating on melamine resin basis or metal foil
	Surface colour	Execution possible in all carcass colours
	Fixed lengths	2200 mm, 3350 mm
2)	Plinth assembly	
	Floor sealing profile	Integrated sealing lip as floor connection Optional: attached U profile for flexible compensation of floor irregularities
	Plinth corner set	Hollow chamber profile
3)	Plinth height	70, 100, 150, 200 mm

Hinges		
1)	Type / Style	Sensys hinge with integrated cushioning
2)	Material	Metal
3)	Mounting plate fastening	double screwed with plastic spreading dowel
4)	Clip-on hinge fastening	Clip engagement, installation and removal on/from the mounting plate without tools
5)	Opening angle	
	Standard	110°
	Hinged door for internal drawer	165°
	Corner units	165°
	Diagonal types	95°
	Limiters	Optional opening angle limiter of 85° for corner solutions or for wall mounting
6)	Adjustment	up/down: ± 1,5 mm
		depth adjustment: ± 2 mm
		lateral spacing: ± 1,5 mm
7)	Number per door	min. 2 hinges per door

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Unity Assembly		
I	Wall Units	
1)	Material suspension brackets	Rigid plastic/metal
2)	Number of suspension elements per unit	min. 2 pieces, centre suspension concealed bracket folding-lifting wall units and shelf units upwards of 1,000mm width
3)	Type of adjustment	Inclination, height adjustment
4)	Type of fastening in the carcass	2 plastic dowels pressed into the carcass side
5)	Fastening to the building wall	- metal suspension rail / dowelled - protect free hanging wall units from lateral slipping by means of brackets
6)	load capacity	The maximum load for wall units is 75 kg, whereby the individual shelves can carry a maximum load of 16 kg each
7)	Lighting	1) Lighted shelf as wall unit bottom shelf with integrated lighting (MP-LA)2) Various lighting integrated in the bottom shelf3) Wall unit bottom shelf with attached profile strip in stainless steel appearance for opening original fronts without a handle, with integrated LED light strip (MP-WOGL)

II	Base Unit Island Solution	
		An additional specific foot provides island with tilt protection

Drawers/Front Pull-Outs		
1)	Material	Steel frame, steel rear wall with a 16 mm chipboard shelf
2)	Construction	Metall
3)	Front / frame connection	- Tool-less removal and assembly of panels - adapter dowelled into the front panel - Adjustment possibilities: Height / side - tilting of the front pull-out panels possible by adjusting the railing bar, glass side or steel side
4)	Cushioning of the pull-outs	Integrated hydraulic cushioning
5)	Closing system optional: Opening system	Automatic closing system "SOS set" electromechanical opening of drawers and front pull-outs (Sensomatic) Opening support mechanism "Libero" Foot pedal operated via sensor for waste separation systems: Euro-Cargo Soft, Euro-Cargo-S, Separato-K, Separato-M and Cargo frame

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Drawers / Front Pull-Outs: Bearings		
1)	<b>Style</b>	Roller bearings with load dispersion roller
2)	<b>Type</b>	Full pull-outs
3)	<b>Material</b>	Steel
4)	<b>System load capacity</b>	to 600 mm width: up to 40 kg 800/900mm width: up to 60 kg 1000mm width: up to 70 kg 1200 mm width: up to 80 kg
5)	<b>Protection against fully pulling out</b>	Catch mechanism on the runner

Carcase Dimensions		
1)	<b>Base Units</b>	
	<b>Standard</b>	Carcase height: 720 mm; side depth: 560 mm or 460 mm as an option, Side depth: carcass depth + front thickness
	<b>Mini</b>	Carcase height: 576 mm; side depth: 560 mm or 460 mm as an option, Side depth: carcass depth + front thickness
	<b>Maxi</b>	Carcase height: 864 mm; side depth: 560 mm or 460 mm as an option, Side depth: carcass depth + front thickness
2)	<b>Wall units</b>	
	<b>Short wall units</b>	Carcase height: 325.5 / 359 mm; side depth: 320 mm Side depth: carcass depth + front thickness
	<b>Wall unit height 1</b>	Carcase height: 651 mm; side depth: 320 mm Side depth: carcass depth + front thickness
	<b>Wall unit height 2</b>	Carcase height: 718 mm; side depth: 320 mm Side depth: carcass depth + front thickness
	<b>Wall unit height 3</b>	Carcase height: 904 mm; side depth: 320 mm Side depth: carcass depth + front thickness
3)	<b>Sideboards</b>	
	<b>Sideboard height 1</b>	Carcass height: 651 mm; side depth: 320 mm Side depth: carcass depth + front thickness
	<b>Sideboard height 2</b>	Carcass height: 718 mm; side depth: 320 mm Side depth: carcass depth + front thickness
	<b>Sideboard height 3</b>	Carcass height: 904 mm; side depth: 320 mm Side depth: carcass depth + front thickness
4)	<b>Highboards</b>	Carcass height: 1485 mm; side depth: 560 mm Side depth: carcass depth + front thickness
5)	<b>Tall Units</b>	Carcass height: 1485 mm; side depth: 560 mm Side depth: carcass depth + front thickness
	<b>Tall unit height 1</b>	Carcass height: 1930 mm; side depth: 560 mm Side depth: carcass depth + front thickness
	<b>Tall unit height 2</b>	Carcass height: 1997 mm; side depth: 560 mm Side depth: carcass depth + front thickness
	<b>Tall unit height 3</b>	Carcass height: 2183 mm; side depth: 560 mm Side depth: carcass depth + front thickness
6)	<b>Special features</b>	Base unit: Carcasses for downdraft extractor fans with protruded back panel, for appliances with or without plinth motor in circulating air / extraction mode

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Accessories		
1)	Wall shelves	12 kg per pair of supports

Further Functional Fittings		
1)	Pharmacist's	Full pull-out, 80 kg load
2)	Carousel (BU / WU)	360° rotatable, 25 kg load per shelf
3)	Flap hinges	- Flap door lifting fitting with 112°/120° opening angle - Flap door wall units in 325.5mm and 359mm height 100° opening angle - Swivel flap doors with 75° opening angle
	Servo drive	Electric motor Servo Drive for wall units with swivel flap doors or folding/lifting doors
4)	DSA side pull-outs	Full pull-out with cushioning, 10 kg load per shelf
5)	Corner unit rotary shelves	Half-round rotary shelves, optionally left or right; 15 kg load per shelf
6)	Lemans pull-out	Corner unit swivel pull-out, load capacity 25 kg per tablar shelf

SMALL GLOSSARY OF TECHNICAL TERMS		
1)	Laminate / HPL (High Pressure Laminate) or CPL (Continuous Pressure Laminate)	Surface coating material comprising several layers, i.e. decor, substrate and protection, thickness: 0.3 to 1 mm, to produce high-quality extremely resistant kitchen surfaces depending on the field of application
2)	Direct coating	Melamine resin impregnated decorative paper to produce a high-quality decorative surface
3)	Chipboard	Wood-based panel material, manufactured from wood chips by the addition of glue
4)	MDF (medium density fibreboard)	Fibreboard of medium density, manufactured from wood chips by the addition of glue
5)	PMMA (Polymethyl methacrylate)	Synonym for acrylic
6)	HDF (high density fibreboard)	Fibreboard of high density, manufactured from wood chips by the addition of glue
7)	System load capacity	Own weight of the system (incl. front) plus load = system load
8)	Full pull-out	The drawer / front pull-out can be pulled-out of the unit to its full usable depth, its rear area is also accessible from above
9)	DIN / EN	
10)	PP	Polypropylen
11)	Clip-on hinge	The hinge is clipped on the mounting plate; no tools are required
12)	ESG	Single pane security glass: Tempered glass, no further processing possible