

Technical product descriptions

Worktops		
I	Standard	
1)	Material thickness	38 mm
2)	Substrate material	Chipboard
3)	Surface material	Laminate (CPL / HPL)
4)	Laminate thickness	0.6 - 0.8 mm
5)	Surface structure	Wood pore or relief, matt, gloss
6)	Type of front edge	
	N-edge	The panel is laminated around both rounded front edges.
	Inset N-edge	An inset worktop piece is laminated around both rounded front edges.
	Décor edge (D-edge)	1.5 mm thick PP plastic lippings in worktop décor. All 90° outer corners are supplied in the square version. Optional: A rounded version is also available with an outer radius of 20 mm and inner corners with a radius of 30 mm. The PP edging is glued with waterproof PUR adhesive.
7)	Bottom face coating	Water-repellent resin-impregnated paper, with sealed joint between the laminate of the bottom and top face.
8)	Sealing	Must be performed 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)	Dimensions	max. length: 5100mm / max. width: 1200 (N-edge), 1170mm (D-edge)

II	Slim Line	
1)	Material thickness	16 mm
2)	Substrate material	HDF
3)	Surface material	Laminate (CPL / HPL)
4)	Laminate thickness	0.6 - 0.8 mm, both faces
5)	Surface structure	Wood pore or relief
6)	Type of front edge	
	Décor edge	Worktops are laminated with a 1.2 mm thick décor edge all around. Only square versions are possible.
7)	Bottom face coating	CPL / HPL
8)	Sealing	Must be performed 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)	Dimensions	The maximum width is 3400mm

III	Xtra	
1)	Material thickness	38 mm
2)	Substrate material	Chipboard 27.4mm
3)	Functional layer	HDF 9.4mm
4)	Surface material	Laminate (HPL)
5)	Laminate thickness	1.2 mm

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6)	Surface structure	Wood pore or relief, matt
7)	Type of edge	
	Décor edge	1.5 mm thick PP plastic lippings in worktop décor. All 90° outer corners are supplied in the square version. Optional: A rounded version is also available with an outer radius of 20 mm and inner corners with a radius of 30 mm. The PP edging is glued with waterproof PUR adhesive.
8)	Bottom face coating	Water-repellent resin-impregnated paper.
9)	Sealing	Must be performed on site for cut-outs as well as tongue and groove connections using a moisture-repelling agent. An installation set with sealant is supplied for flush cut-outs. Worktop sealing tape is included in the fittings box.
10)	Flush cut-outs	Cut-outs for flush-mounting sinks and hot plates are preformed at the factory.
11)	Dimensions	max. length: 4000mm / max. width: 1170mm (D-edge)

IV 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 pore or relief
6)	Type of edge	
	Décor edge	With 1.5 mm thick PP edging all around
7)	Bottom face coating	Laminate (CPL / HPL)
8)	Dimensions	Minimum dimensions: 200 x 200 mm Maximum: 1200 mm deep, 1800 mm 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	19mm, 22mm
2)	Substrate material	Chipboard, MDF
3)	Surface material	Melamine, lacquer, lacquered laminate, polymer foil, laminate, acrylic, genuine glass, genuine wood, aluminium framed glass
4)	Design	Range-based
5)	Fastening	Requires a minimum of two clip-on 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-based glazings
8)	Edge design	Thick edging made of PP or acrylic. Depending on the range, also available with lacquer or foil wrapped vertically and/or horizontally around the edges.
9)	Genuine glass fronts	Substrate material (16 mm chipboard), 3 mm ESG safety glass, acrylic edging all around, depending on range also available with lacquered or printed front or back face

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Carcase material		
1)	Side panels and construction shelves	
	Material thickness	16 mm / 19 mm
	Substrate material	Chipboard
	Surface material	Direct coating on melamine resin base
	Surface colour	Standard: Carcase interior in White, exterior in décor Exception for glass wall units and shelf units (carcase interior and exterior in the same décor), wall unit bottom face in décor
	Edging	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: paper edging
2)	Loose shelves	
	Material thickness	
	Wood	16 mm
	Glass	5 mm / 6 mm (folding/lifting unit) / 8 mm (glass cabinets / bathroom designs)
	Load capacity (wood / glass)	Maximum recommended load for wood and glass shelves: 50kg/m <sup>2</sup>
	Substrate material	Chipboard / Glass
	Surface material	Direct coating on melamine resin base
	Surface colour	Standard: White loose shelf Loose glass shelves for glass wall units; shelves in carcase colour for shelf units
	Edging	front: PP edging, side and rear edging, paper edging and melamine edging
3)	Back panel	
	Material thickness	thickness: 2.8 mm
	Substrate material	Hardboard (HDF, MDF)
	Surface colour	Front and back lacquered / printed
4)	Upright panels / Top shelves / Lighted bottom shelves	
	Material thickness	16, 25, 50mm
	Surface material	16, 25, 50mm: Direct coating on melamine resin base or acrylic coating (ultra high gloss) 16, 25 mm: also possible in lacquer 16 mm: also possible in lacquered laminate
	Surface colour	16, 25, 50 mm: Surface colour according to sales manual, available in carcase and worktop décor, partially also in front material as well as matt, supermatt, high gloss and ultra high gloss décor
	Lighting	Upright panels optionally with LED lighted front and rear edge. Glazed and lighted bottom shelf or integrated LED lighting.
5)	Niche cladding	
	Material thickness	16 mm
	Substrate material	Chipboard

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	<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 motifs digitally printed and varnished
	<b>Direction of finish</b>	Horizontal, exception: F137 Scratched steel
	<b>Digital print</b>	Chipboard substrate, laminated, printed, lacquered
6)	<b>Glass niche cladding</b>	
	<b>Material thickness</b>	16 mm
	<b>Dimensions</b>	height: 250 - 1200 mm, width: 250 - 2500 mm
	<b>Substrate material</b>	Chipboard (substrate material): 12 mm ESG safety glass: 4 mm
	<b>Surface colour</b>	Silver, White HG, Black HG, Satin grey HG, Alpine white HG, Savannah HG, Stone grey HG, Slate grey HG, Glass appearance, Ivory HG, Sand HG, Masterflow black matt
	<b>Special considerations</b>	According to sales manual notches, chamfered cuts and drill holes are possible
7)	<b>Panel wall system</b>	
	<b>Material thickness</b>	16 mm (total construction depth 25 mm)
	<b>Substrate material</b>	Chipboard (16 mm) ESG safety glass (12 mm substrate material, 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 unit, glass shelf, LED wall light
8)	<b>Side, bottom, and back panel connection</b>	
	<b>Base unit</b>	Bottom and side panels with glued hardwood dowels (8x30mm) as corner connections
	<b>Wall unit</b>	Bottom and side panels with glued hardwood dowels (8x30mm) as corner connections
	<b>Tall unit</b>	Bottom and side panels with glued hardwood dowels (8x30mm) as corner connections
	<b>Back panel</b>	Grooved 4-6 mm deep in the carcass side, screwed to the bottom panel at the top and bottom For wall units upwards of 1,000mm width without centre posts, the back panel is divided at the centre by a guide rail
9)	<b>Fastening loose shelves</b>	Metal shelf supports
10)	<b>Adjusting loose shelves</b>	Group of drill holes

### Plinth

1)	<b>Plinth panel</b>	
	<b>Material thickness</b>	13 mm
	<b>Substrate material</b>	MDF / Hollow chamber sealing profile / Metal slats

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	Surface material	Direct coating on melamine resin base or metal foil
	Surface colour	Versions available in all carcass colours Exceptions: Hollow chamber profile / Metal slats
	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 / Model	Sensys hinge with integrated cushioning
2)	Material	Metal
3)	Mounting plate fastening	Double bolted to the plastic expanding cavity wall anchor
4)	Clip-on hinge fastening	Clip-on fastening, mounting to and removal from the mounting plate without tools
5)	Opening angle	
	Standard	110°
	Hinged door for internal drawer	165°
	Corner units	165°
	Diagonal units	95°
	Limiters	Optional opening angle limiter of 85° for corner solutions or for wall mounting
6)	Adjustability	- upward / downward: ± 1.5 mm
		- in depth: ± 2 mm
		- lateral distance: ± 1.5 mm
7)	Number per door	min. 2 hinges per door

Mounting the units		
I Wall units		
1)	Suspension bracket materials	Rigid plastic / Metal
2)	Number of brackets per unit	min. 2 pieces, centre suspension concealed bracket for folding-lifting wall units and shelf units upwards of 1000mm width
3)	Type of adjustment	- Inclination
		- Height
4)	Type of fastening in the carcass	2 Plastic dowels pressed into the carcass side
5)	Mounting to the building wall	- Metal mounting rails
		- Freely suspended wall units, and all flap door wall units, must be secured against lateral slipping via a bracket
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

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7)	<b>Lighting</b>	1) Lighted shelf as wall unit bottom shelf with integrated lighting (MP-LA) 2) Various lighting integrated in the bottom shelf 3) 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)
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<b>II</b>	<b>Base unit island solutions</b>	
1)	<b>Tilt protection</b>	An additional special foot secures the island against tilting

<b>III</b>	<b>Base units for bathroom designs</b>	
1)	<b>Suspension bracket materials</b>	Heavy-duty suspension bracket
2)	<b>Number of brackets per unit</b>	2 Heavy-duty suspension brackets
3)	<b>Type of adjustment</b>	- Inclination
		- Height
4)	<b>Type of fastening in the carcass</b>	4 Press-fit dowels in the carcass side
5)	<b>Mounting to the building wall</b>	- Mounting plate with integrated metal safety bracket
6)	<b>Load capacity</b>	The maximum load for bathroom base units is 75 kg, whereby the individual shelves can carry a maximum load of 16 kg each
7)	<b>Special productions</b>	Mirrored bathroom cabinets

<b>Drawers / Front pull-outs</b>		
1)	<b>Material</b>	Steel frame, steel back panel with 16 mm chipboard bottom panel
2)	<b>Construction</b>	Metal
3)	<b>Connection between front / frame</b>	- Release and mounting of panels without tools - Adapter dowelled into front panel - Adjustability: Height / Side - Tilting of front pull-out panels due to adjustment of the railing handle, glass side panelling or steel side panelling
4)	<b>Pull-out cushioning</b>	Integrated hydraulic cushioning
5)	<b>Closing system optional: Opening system</b>	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

<b>Drawers / Front pull-outs: Bearings</b>		
1)	<b>Type</b>	Roller bearings with load dispersion roller
2)	<b>Model</b>	Full pull-out (drawer / pull-out / lowered frame)
3)	<b>Material</b>	Steel



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4)	System load	Drawers of all widths and depths have a load capacity of up to 30 kg. Width to 60cm    80-90cm    100cm    120cm Depth 27cm   30kg    30kg    30kg    30kg 40cm   30kg    40kg    40kg    40kg 50cm   30kg    45kg    55kg    65kg
5)	Safety catch to prevent fully pulling out	Safety catch mechanism on the rail

Carcase dimensions		
1)	Base units	
	Standard	carcase height: 720 mm; carcase depth: 560 mm or 460 mm optional side depth: carcase depth + front thickness
	Mini	carcase height: 576 mm; carcase depth: 560 mm or 460 mm optional side depth: carcase depth + front thickness
	Maxi	carcase height: 864 mm; carcase depth: 560 mm or 460 mm optional side depth: carcase depth + front thickness
	XL	carcase height: 792 mm; carcase depth: 560 mm or 460 mm optional side depth: carcase depth + front thickness
	Bathroom designs	carcase heights: 288mm; 360mm; 432mm; 576mm side depth: carcase depth + front thickness
2)	Wall units	
	Short wall units	carcase height: 325.5 mm / 359 mm; carcase depth: 320 mm side depth: carcase depth + front thickness
	Wall unit height 1	carcase height: 651 mm; carcase depth: 320 mm side depth: carcase depth + front thickness
	Wall unit height 2	carcase height: 718 mm; carcase depth: 320 mm side depth: carcase depth + front thickness
	Wall unit height 3	carcase height: 904 mm; carcase depth: 320 mm side depth: carcase depth + front thickness
3)	Sideboards	
	Sideboard height 1	carcase height: 651 mm; carcase depth: 320 mm side depth: carcase depth + front thickness
	Sideboard height 2	carcase height: 718 mm; carcase depth: 320 mm side depth: carcase depth + front thickness
	Sideboard height 3	carcase height: 904 mm; carcase depth: 320 mm side depth: carcase depth + front thickness
4)	Highboards	carcase height: 1485 mm / 1584 mm; carcase depth: 560 mm / 460 mm side depth: carcase depth + front thickness
5)	Tall units	
	Tall unit height 1	carcase height: 1930 mm; carcase depth: 560 mm / 460 mm side depth: carcase depth + front thickness
	Tall unit height 2	carcase height: 1997 mm; carcase depth: 560 mm / 460 mm side depth: carcase depth + front thickness
	Tall unit height 3	carcase height: 2183 mm; carcase depth: 560 mm / 460 mm side depth: carcase depth + front thickness
6)	Special considerations	Base unit: Carcases for downdraft extractor fans with protruded back panel, for appliances with or without plinth motor in extraction / recirculation mode

Accessories		
1)	Plug-in wall shelf	
	Material	Chipboard, direct coating on melamine resin base, PP edging all around
	Material thickness	25 mm

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	Load capacity	12 kg per pair of supports
2)	Wall shelves with shelf holders	
	Material	Chipboard, direct coating on melamine resin base, PP edging all around ESG safety glass
	Material thickness	16 mm, 25 mm, 50 mm glass = 8 mm
	Load capacity	16 kg per pair of supports

Other functional fittings		
1)	Larder unit	Full pull-out, 80 kg load
2)	Carousel unit (base unit / wall unit):	rotates 360°, 25 kg load per shelf
3)	Flap door fittings	- Flap door lifting fitting with 112°/120° opening angle, - Flap door wall units in 325.5mm and 359mm height with 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 with rotary shelves	Semi-circular rotary shelves, left and right side mounting optional, 15 kg load per shelf
6)	Lemans pull-out	Corner unit with swivel pull-out, 25 kg load per tablar shelf

Concise dictionary of technical terms		
1)	Laminate / HPL (High Pressure Laminate) or CPL (Continuous Pressure Laminate)	Surface coating made up of multiple decorative, core, and protective layers, thickness 0.3 to 1 mm for production of high quality kitchen surfaces that are extremely resilient dependent on area of application
2)	Direct coating	Melamine resin-impregnated décor paper for production of a superior quality decorative surface
3)	Chipboard	Derived timber panels, produced from wood chips and glue
4)	Genuine wood	Solid wood or veneered derived timber product
5)	MDF (medium density fibreboard)	Medium density fibreboard, produced from wood fibres and glue
6)	PMMA (polymethylmethacrylate)	Synonym for acrylic
7)	HDF (high density fibreboard)	High density fibreboard, produced from wood fibres and glue
8)	System load	The unladen weight of the system (incl. front) added to the weight of the load results in the system load
9)	Full pull-out	A drawer / front pull-out, which, when pulled out of the unit, reveals the entire utilisable depth and also allows access from above to the rear of the interior
10)	DIN / EN	- German institute for standardisation / European standard - Define the requirements for and the properties of raw materials and finished goods
11)	PP	polypropylene
12)	Clip hinge	The hinge is clipped onto the mounting plate without the need for tools
13)	ESG	Single-pane safety glass: Tempered glass, no further processing possible