nobilia®

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**	individual for each décor
6)	**Front edge type**	
	N-edge	The laminate panel is coated around both rounded front edges.
	Inserted N-edge	An inserted worktop piece that is coated 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 square design. Optional: rounded design with outer radius of 20 mm, inner corners with a radius of 30 mm. The PP edging is glued with waterproof PUR adhesive.
7)	**Coating of the underside**	Water-repellent, resin-soaked paper, joint between the bottom and top coating sealed.
8)	**Sealing**	must be applied on site for cut-outs and tongue and groove connections using a moisture-repelling agent. Worktop sealing tape is included in the fittings box.
9)	**Dimensions**	Max. length: 5,100 mm / max. width: 1,200 mm (N-edge), 1,170 mm (D-edge)

II	**Slimline**	
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**	individual for each décor
6)	**Front edge type**	
	Décor edge	Worktops are laminated with a 1.2 mm thick décor edge all around. Only square designs are possible.
7)	**Coating of the underside**	CPL / HPL
8)	**Sealing**	must be applied on site for cut-outs and tongue and groove connections using a moisture-repelling agent. Worktop sealing tape is included in the fittings box.
9)	**Dimensions**	Max. length: 3,400 mm / max. width: 1170 mm

III	**Xtra**	
1)	**Material thickness**	38 mm
2)	**Substrate material**	Chipboard 27.4 mm
3)	**Functional layer**	HDF 9.4 mm
4)	**Surface material**	Laminate (HPL) with antibacterial and antiviral microPLUS® surface
5)	**Laminate thickness**	1.2 mm
6)	**Surface structure**	individual for each décor
7)	**Edge type**	
	Décor edge	1.5 mm thick PP plastic lippings in worktop décor. All 90° outer corners are supplied in square design. Optional: rounded design with outer radius of 20 mm, inner corners with a radius of 30 mm. The PP edging is glued with waterproof PUR adhesive.

Technical product descriptions

8)	Coating of the underside	Water-repellent, resin-soaked paper.
9)	Sealing	must be applied on site for cut-outs and tongue and groove connections using a moisture-repelling agent. An assembly set incl. sealant is supplied for flush mounted cut-outs. Worktop sealing tape is included in the fittings box.
10)	Flush mounted cut-outs	Cut-outs for flush mounting sinks and hot plates are prefabricated at the factory.
11)	Dimensions	Max. length: 4,000 mm / max. width: 1,170 mm (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	individual for each décor
6)	Edge type	
	Décor edge	1.5 mm thick PP edging all around
7)	Coating of the underside	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.

V	Quartz	
1)	Material thickness	12 mm or 38 mm
2)	Substrate material	12 mm: Quartz composite (solid material) 38 mm: 12 mm quartz composite with wooden profile substructure (composite material)
3)	Surface	silk matt / décors according to sales manual
4)	Edge type	
	Décor edge	12mm: polished with double chamfer 38mm: mitred with chamfer
5)	Dimensions	Max. length: 3,000 mm / max. width: 1200 mm
6)	Cut-outs	Cut-outs for sinks and hot plates are prefabricated at the factory
		Cut-outs are secured with a transport bridge, which must be removed on site. Transport bridge as of width and depth: 12 mm: Width > 700 mm and depth > 300 mm 38 mm: Width > 900 mm and depth > 300 mm
7)	Assembly	Subsequent processing of quartz on site is only possible with suitable tools. Personal protective equipment is required for subsequent processing of quartz on site (minimum requirement FFP2 respiratory mask).

VI	Xtra Ceramic	
1)	Material thickness	16 mm
2)	Substrate material	6 mm ceramic layer, 10 mm foam glass support panel, glass fibre stabilising layer
3)	Surface	ultra matt / décors according to sales manual
4)	Edge type	
	Décor edge	1.2 mm design edge
5)	Dimensions	Max. length: 3100 mm / max. width: 1200 mm
6)	Cut-outs	Cut-outs for sinks and hot plates are prefabricated at the factory

nobilia®

Technical product descriptions

7)	Assembly	Subsequent processing of Xtra Ceramic on site is only possible with suitable tools. Personal protective equipment is required for subsequent processing of Xtra Ceramic on site (minimum requirement FFP2 dust mask)

Fronts

1)	Material thickness	19 mm, 22 mm
2)	Substrate material	Chipboard, MDF
3)	Surface material	Melamine, lacquer, lacquered laminate, polymer film, laminate, real wood, aluminium framed glass, PMMA
4)	Design	range-based
5)	Fasteners	at least two clipped 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	Transparent float glass, etched matt glass, black glass and range-based glazing types (mostly TSG)
8)	Edge design	Thick edging made of PP or PMMA. Depending on range also lacquer or film applied vertically and/or horizontally around the edges.
9)	Special fronts	
	Aluminium framed door	Aluminium frame with glass infill panel Frame colour matching the glass design

Carcase material

I   Sides and construction shelves

1)	Material thickness	16 mm / 19 mm
2)	Substrate material	Chipboard
3)	Surface material	Direct coating on melamine resin basis
4)	Surface colour	Standard: Carcase white on the inside, décor on the outside Exceptions for glass wall units and shelf units (carcase in the same décor on the inside and outside), WU bottom in décor
5)	Edging	Base unit: 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

II   Shelves

1)	Material thickness	
	Wood	16 mm
	Glass	5 mm / 6 mm (folding/lifting unit) / 8 mm (glass cabinets / bathroom designs)
2)	Load capacity (wood / glass)	Maximum recommended load for wood and glass shelves: 50 kg/m²
3)	Substrate material	Chipboard / glass
4)	Surface material	Direct coating on melamine resin basis
5)	Surface colour	Standard: white shelf For glass wall units glass shelves; for shelf units in carcase colour
6)	Edging	front: PP edging, side/ rear edging paper edging and melamine edging
7)	Shelf fastening	Metal shelf supports
8)	Adjustability of the shelves	Grouped holes

III   Back panel

1)	Material thickness	Thickness: 2.8 mm

Technical product descriptions

2)	Substrate material	Hard fibre board (HDF, MDF)
3)	Surface colour	front: lacquered / printed / laminated; back: lacquered

IV	Connection of the sides, shelves and back panel	
1)	Base unit	Shelf and sides glued together with hardwood dowels (8x30 mm) as corner connectors
2)	Wall unit	Shelf and sides glued together with hardwood dowels (8x30 mm) as corner connectors
3)	Tall unit	Shelf and sides glued together with hardwood dowels (8x30 mm) as corner connectors
4)	Back panel	grooved 4-6 mm into carcase side, screwed to the base at the top and bottom for wall units with a width of 1,000 mm and more without a centre post, the back panel is divided by a rail guide

	Plinth	
1)	Material thickness	13 mm
2)	Base and surface material	a) MDF with melamine resin based direct coating with integrated sealing profile b) Water resistant plinth: Plastic hollow chamber profile incl. base seal c) Aluminium slatted plinth
3)	Surface colour	a) Design available in all carcase colours and various other décors b) Décor: 114, 049, 058, 061 c) Décor: 114, 058, 193
4)	Dimensions	
	Plinth height	70, 100, 150, 200 mm
	Fixed lengths	2,200 mm, 3,350 mm / Exception for aluminium slatted plinth: 2000 mm and 4000 mm
5)	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

	Surrounding materials	

I	Upright panels / top shelves /light bottom shelves	
1)	Material thickness	10, 16, 25, 50 mm
2)	Surface material	10, 16, 25, 50 mm: Direct coating on melamine resin basis 10, 16 mm: available in lacquer, lacquered laminate or PMMA
3)	Surface colour	10, 16, 25, 50 mm: Surface colour acc. to sales manual available in carcase and worktop décor, partially also in front material as well as matt, supermatt, ultra matt, high gloss and ultra high gloss décor
4)	Lighting	16 mm - Upright panels optionally with LED-lit front edge. Glazed and lit light bottom shelf or integrated LED lighting.
5)	Special design (bathroom)	Lacquered laminate upright panels: 25 mm thick with rounded front edge incl. 21 mm outer radius / top shelves: with 22.5 mm corner radius, matching the front edge!

II	Niche cladding	
1)	Material thickness	16 mm
2)	Substrate material	Chipboard
3)	Dimensions	maximum width: 2580 mm, maximum height: 2030 mm (exception: Xtra décors, all HG décors, F 014 Stainless steel, F 296 Yellow gold coloured, F 366 Black textured => max. width 1200 mm)
		Niche cladding with motif (NVM): max. width: 2,800 mm / max. height: 1200 mm

nobilia®

Technical product descriptions

4)	Surface colour	Design in carcase, HG, worktop, Xtra worktop décors and in F 014, F 207 and F 296 Niche cladding with motif (NVM): digital print and coated / décors according to sales manual
5)	Direction of finish	horizontal, exception: Décor 226 and 274

III	**Glass niche cladding**	
1)	Material thickness	16 mm
2)	Dimensions	Height: 250 - 1,200 mm, width: 250 - 2500 mm
3)	Substrate material	Chipboard (substrate): 12 mm safety glass (TSG): 4 mm
4)	Surface colour	Décors according to sales manual
5)	Special considerations	Profiling, notching and holes possible acc. to sales manual

IV	**Quartz niche cladding**	
1)	Material thickness	12 mm
2)	Dimensions	Height: 301 - 563 mm, width: 250 - 3,000 mm (NVQ 54) height: 300 mm, width: 250 - 3,000 mm (NVQ) height: 700 mm, width: 600 mm, 900 mm or 1,000 mm (NVQ) height: 50 mm , width: 100 - 1,500 mm (WAQ)
3)	Substrate material	Quartz composite
4)	Surface	silk matt / décors according to sales manual
5)	Edge	Polished and chamfered on 3 sides
6)	Special considerations	Profiling, notching and holes possible acc. to sales manual. Assembly set containing silicone for sealing

V	**Niche cladding made of Xtra Ceramic**	
1)	Material thickness	16 mm
2)	Dimensions	Height: 301 - 559 mm, width: 250 - 3,100 mm (NVC 56) height 300 mm, width: 250 - 3,100 mm (NVC) height: 700 mm, width: 600 mm, 900 mm or 1,000 mm (NVC) height: 75 mm , width: 100 - 1,500 mm (WAC)
3)	Substrate material	6 mm ceramic layer, 10 mm foam glass support panel, glass fibre stabilising layer
4)	Surface	ultra matt / décors according to sales manual
5)	Edge	1.2 mm design edge
6)	Special considerations	Profiling, notching and holes possible acc. to sales manual. Assembly set containing silicone for sealing

VI	**Accessories**	
1)	**Plug-in wall shelf**	
	Material	Chipboard, direct coating on melamine resin basis, PP edging all around
	Material thickness	a) 16 mm / also available with bevelled front edge
		b) 25 mm
	Dimensions	a) Depth: 150 mm
		b) Depth: 255 mm
	Load-bearing capacity	a) 6 kg per pair of supports
		b) 12 kg per pair of supports
2)	**Wall shelves with shelf holders**	
	Material	Chipboard, direct coating on melamine resin basis, PP edging all around TSG glass Bevelled wall shelf with bevelled front edge

nobilia®

Technical product descriptions

	Material thickness	16 mm, 25 mm, 50 mm Glass = 8 mm Bevelled wall shelf = 16 mm
	Load-bearing capacity	16 kg per pair of supports
3)	**Sliding door system**	
	Material	
	Sliding doors	Aluminium frame in stainless steel appearance or black Infill panel on both sides with melamine, lacquered laminate coating or mirror film
	Runner	1-, 2-, 3-track top and bottom runners in stainless steel appearance or black
	Dimensions	
	Sliding doors	Height: 700 - 2,600 mm, width: 500 - 1200 mm without inlays décors 402, 405, 889 and 892 up to max 2,000 mm height
	Runner	Height: Bottom runner 6.4 mm, top runner 40 mm, width: max. 5,000 mm Installation depth: 1-track 40mm, 2-track 79 mm, 3-track 117 mm

Fittings

I Hinges

1)	**Type / Model**	Sensys hinge with integrated cushioning
2)	**Material**	Metal
3)	**Fastening of the mounting plate**	bolted twice with expansion sleeve
4)	**Fastening of the clipped hinge**	Clipped connection, assembly and disassembly on 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)	**Adjustability**	Depth adjustment: - 2 / + 3 mm
		Height adjustment: ± 2 mm
		Side adjustment: ± 2 mm
7)	**Number per door**	min. 2 hinges per door

II Drawers / front pull-outs

1)	**Material**	Steel frame, steel rear panel or wooden rear panel for all vanity units and variable waste separation systems, 16 mm chipboard shelf
2)	**Construction**	Metal
3)	**Connection front / frame**	Unlocking and assembly of the panels without tools
		adapter dowelled into the front panel
		Adjustability: Height / side
		Tilting of the front pull-out panels through adjustment of the railing bar, glass side panel or steel side panel
4)	**Pull-out cushioning**	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": Operation by foot using sensor and / or voice control for waste separation systems: Separato-K, Separato-M, Syncro and Cargo frame

III Drawers / front pull-outs: Bearings

1)	**Type**	Roller bearings with load dispersion roller

nobilia®

Technical product descriptions

2)	Model	Full pull-out (drawer / pull-out / low frame)
3)	Material	Steel
4)	System load	Drawers: of all widths and depths up to 30 kg. Pull-outs: Width >/=60 cm 80-90 cm 100 cm 120 cm Depth 27 cm 30 kg 30 kg 30 kg 30 kg 40 cm 30 kg 40 kg 40 kg 40 kg 50 cm 30 kg 45 kg 55 kg 65 kg
5)	Protection against pulling out	Catch mechanism on rail

IV	**Additional functional fittings**	
1)	**Larder**	Full pull-out, 80 kg additional load
2)	**Carousel unit (BU / WU):**	360° rotation, 25 kg additional load per shelf
3)	**Flap door fittings**	Flap door lift fittings with 112°/120° opening angle
		Flap door wall units with height of 360 mm, 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, load per shelf 10 kg
5)	**Corner unit rotary shelves**	Semi-circular rotary shelves, optional on left and right; 15 kg additional load per shelf
6)	**Lemans pull-out**	Corner unit swivel pull-out, additional load 25 kg per tablar shelf

Unit assembly

I	**Wall units**	
1)	**Material suspension brackets**	Metal
2)	**Number of suspension brackets per unit**	min. 2 pieces centre suspension concealed for folding-lifting wall units and shelf units upwards of 1,000 mm width
3)	**Type of adjustability**	Height adjustment - 7 / +10 mm Depth adjustment - 1 / +11 mm Side adjustment +/- 2.5 mm
4)	**Method for fastening in the carcase**	4 metal pins in carcase side with two special screws fastened in a hidden position behind the back panel. Cover caps are included in the scope of delivery
5)	**Fastening on the building wall**	Metal mounting rails
		Integrated tool-free guard against accidental unhooking
		Freely suspended wall units and all flap door wall units must be secured against slipping or unhooking by means of brackets
6)	**Load capacity**	The maximum load for wall units is 75 kg, with the individual shelves carrying a maximum load of 16 kg
7)	**Lighting**	Lit shelf as wall unit bottom shelf with integrated lighting (MP-LA)
		Various lighting fixtures integrated in the bottom shelf
		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	**BU island solution**	
1)	**Tilt protection**	Island tilt protection using additional metal foot

III	**Base units for bathroom and living room designs**	
1)	**Material suspension brackets**	Heavy-duty suspension brackets
2)	**Number of suspension brackets per unit**	2 heavy-duty suspension brackets
3)	**Type of adjustability**	Height adjustment +/- 3mm Depth adjustment +/- 10mm

nobilia®

Technical product descriptions

4)	Method for fastening in the carcase	4 press-in dowels in the carcase side
5)	Fastening in the building wall	Mounting plate with integrated metal safety brackets
6)	Load capacity	The maximum load for bathroom base units is 75 kg, with the individual shelves carrying a maximum load of 16 kg
7)	Plinth designs	For designs standing on the floor with 20mm plinth foot
		Height adjustment + 5 mm
8)	Special types	Mirrored cabinets

	Carcase dimensions	

I	Kitchen furniture	
1)	Base units	
	Mini	Carcase height: 576 mm; carcase depth: 560 mm or optionally 460 mm side depth: carcase depth + front thickness
	Standard	Carcase height: 720 mm; carcase depth: 560 mm or optionally 460 mm side depth: carcase depth + front thickness
	XL	Carcase height: 792 mm; carcase depth: 560 mm or optionally 460 mm side depth: carcase depth + front thickness
	Maxi	Carcase height: 864 mm; carcase depth: 560 mm or optionally 460 mm side depth: carcase depth + front thickness
	Common special heights	Carcase heights: 288 mm; 360 mm; 432 mm; 576mm
2)	Wall units	
	Wall unit height - 36	Carcase height: 360 mm; carcase depth: 350mm side depth: carcase depth + front thickness
	Wall unit height - 58	Carcase height: 576mm; carcase depth: 350mm side depth: carcase depth + front thickness
	Wall unit height 1	Carcase height: 720 mm; carcase depth: 350 mm side depth: carcase depth + front thickness
	Wall unit height 2	Carcase height: 792 mm; carcase depth: 350 mm side depth: carcase depth + front thickness
	Wall unit height 3	Carcase height: 864 mm; carcase depth: 350 mm side depth: carcase depth + front thickness
	Wall unit height - 130	Carcase height: 1,296 mm; carcase depth: 350 mm side depth: carcase depth + front thickness
3)	Sideboards	
	Sideboard height - 36	Carcase height: 360 mm; carcase depth: 350 mm side depth: carcase depth + front thickness
	Sideboard height - 58	Carcase height: 576mm; carcase depth: 350mm side depth: carcase depth + front thickness
	Sideboard height 1	Carcase height: 720 mm; carcase depth: 350 mm side depth: carcase depth + front thickness
	Sideboard height 2	Carcase height: 792 mm; carcase depth: 350 mm side depth: carcase depth + front thickness
	Sideboard height 3	Carcase height: 864 mm; carcase depth: 350 mm side depth: carcase depth + front thickness
	Sideboard height - 130	Carcase height: 1,296 mm; carcase depth: 350 mm side depth: carcase depth + front thickness
4)	Dresser units	
	Standard	Carcase height: 754 mm; carcase depth: 350 mm side depth: carcase depth + front thickness
	Dresser unit height 1	Carcase height: 1258 mm; carcase depth: 350 mm side depth: carcase depth + front thickness
	Dresser unit height 2	Carcase height: 1330 mm; carcase depth: 350 mm side depth: carcase depth + front thickness
	Dresser unit height 3	Carcase height: 1,402 mm; carcase depth: 350 mm side depth: carcase depth + front thickness
5)	Highboards	
	Standard	Carcase height: 1,512 mm; carcase depth: 560 mm / 460 mm side depth: carcase depth + front thickness

nobilia®

Technical product descriptions

	XL	Carcase height: 1,584 mm; carcase depth: 560 mm / 460 mm side depth: carcase depth + front thickness
6)	**Tall units**	
	Tall unit height 1	Carcase height: 2,016 mm; carcase depth: 560 mm side depth: carcase depth + front thickness
	Tall unit height 1 XL	Carcase height: 2,088 mm; carcase depth: 560 mm side depth: carcase depth + front thickness
	Tall unit height 2	Carcase height: 2,088 mm; carcase depth: 560 mm side depth: carcase depth + front thickness
	Tall unit height 2 XL	Carcase height: 2,160 mm; carcase depth: 560 mm side depth: carcase depth + front thickness
	Tall unit height 3	Carcase height: 2,160 mm; carcase depth: 560 mm side depth: carcase depth + front thickness
	Tall unit height 3 XL	Carcase height: 2,232 mm; carcase depth: 560 mm side depth: carcase depth + front thickness
II	**Bathroom and living room furniture**	
1)	**Base units**	Carcase heights: 288 / 360 / 432 / 554 / 576 / 630 mm; carcase depth: 461 mm side depth: carcase depth + front thickness
2)	**Sideboard & Midi units**	Carcase heights: 720 / 864 / 1,152 / 1,247 / 1,296 / 1,584 mm; carcase depth: 350 mm side depth: carcase depth + front thickness
3)	**Mirrored cabinets**	Carcase heights: 720 mm; carcase depth: 202 mm side depth: carcase depth + front thickness

	Small terminology guide	
1)	**Laminate / HPL (High Pressure Laminate) or CPL (Continuous Pressure Laminate)**	Surface coating consisting of several décor, core and protective layers, thickness of 0.3 to 1 mm intended to create high-quality kitchen surfaces with high load bearing capacities suitable for their intended application
2)	**Direct coating**	Melamine-soaked décor paper used to create a high-quality décor surface
3)	**Chipboard**	Wooden material board made of chips and added glue
4)	**Real wood**	Solid wood or veneered wood composite
5)	**MDF (Medium density fibre board)**	Fibre board of medium density, made of wooden fibres and added glue
6)	**PMMA (Polymethyl methacrylate)**	Synonym for acrylic
7)	**HDF (High density fibre board)**	Fibre board of high density, made of wooden fibres and added glue
8)	**System load**	System load calculated from the empty weight of the system (incl. front) plus additional load
9)	**Full pull-out**	The drawer / front pull-out can be pulled out of the unit up to the full, usable depth and even the rear section is accessible from the top
10)	**DIN / EN**	German standardisation institute (DIN) / European standard (EN)
		defines the requirements and properties of materials and finished products
11)	**PP**	Polypropylene
12)	**Clipped hinge**	Hinge is clipped onto the mounting plate without tools
13)	**Lacquered laminate**	Lacquered PET foil
14)	**microPLUS®**	Surface with antibacterial and antiviral effect made by Pfleiderer for all 38 mm Xtra worktops
15)	**TSG**	Tempered safety glass: Toughened glass, no subsequent processing possible
16)	**bevelled**	slanted profile