

All LEICHT fitted kitchens carry the nationally recognized sign of quality "RAL Deutsche Mobil e.V.", which guarantees that the quality standard of this furniture is constantly monitored by the neutral inspection center LGA (Landesgewerbeanstalt in Nuremberg/ State Trade Institute). In addition, the technical safety requirements for the "GS Logo" are met. Equally, the specifications of the safety standard for kitchen furniture, EN 14749 and/or DIN 68930 and the requirements of DIN 18022 and EN 1116 are met and exceeded.

The tests in our own laboratories guarantee the use of impeccable, high quality materials, and **all materials are environment friendly and absolutely harmless** with regard to emissions of formaldehyde. They satisfy the requirements of emission class E 1 (max. 0.1 ppm).

## 1) Carcase:

### 1.1) Standard Carcase:

Melamine covered chipboard (MFB) according to DIN EN 14322 with support chipboard panel according to DIN EN 312, panel type P2.

The surface is largely heat resistant, anti-static and impervious to all household liquids

Interior finish: 273 K platinum, impervious and easy to maintain, due to the finely structured surface.

Exterior finish: 273 K platinum, with a finely textured surface.

Visible surfaces can be colour-matched on request

With wood veneered fronts, the visible carcase sides can be supplied with a smooth veneer on request and at extra charge. It is also possible, with certain ranges, to provide the visible sides of the carcase with a matt lacquered or high gloss colour surface and composite metal at extra charge.

Side panel thickness 16 mm, base thickness 18 mm.

### 1.2) Handle-less carcase

see pt.1.1)

With alu-coloured brushed handle. Carcase sides with recess for handle.

### 1.3) Carcase in general:

All cupboard sides above 40 cm height are supplied with lateral rows of holes, spaced at 64 mm.

Shelves and built-in components are covered for protection against moisture.

All carcase edges on which panels are secured, as well as the front edges of the shelves and built-in components, are edged with 1,5 mm thick ABS.

Carcase connection: beech dowels.

Several carcase heights and depths are available:

#### Height measurements (without plinth):

Floor units: 2 heights: 40, 53, 66 and 80 cm

Wall units: 6 heights: 93, 80, 66, 53, 40 and 27 cm

Midway units: 3 heights: 121, 134 and 147 cm

Tall units: 4 heights: 146, 191, 204 and 217 cm

#### Depth measurements (without base):

Floor units: 3 heights: 34, 56 and 66 cm

Wall units: 2 heights: 34 and 56 cm.

Top unit: 1 height: 34 cm.

Midway units: 1 height: 34 cm (roller shutter cupboard 36 and 48 cm)

**2) Plinths:**

Height-adjustable plastic plinth feet. Range of adjustment +20 mm / -10 mm, optional plinth height 10, 16 or 20 cm as standard version. Other heights can be supplied with 1 cm spacing.

Large surface, handy adjustment screws.

All cupboards are supplied and fitted with four or five plastic gliders. Removable continuous plinth cover with floor sealing profile.

Different plastic, wood veneer and composite metal versions, matching the respective fronts, are available, see price and type list.

Large metal drawer on fully extendible guide rails. The design is identical with drawer item 5.

Also suitable fitting multi-purpose inserts with a width of 50, 60, 80 and 90 cm, but only possible with 16 and 20 cm plinth height (not possible with housing units /ventilation).

**3) Back panels:**

**3.1) Standard carcass:**

MDF panel, 3.0 mm thick in 273 platinum.

The back panels are set forward for better air circulation.

**3.2) Rear panels in general:**

Rear panels of carousel corner units and end shelf units, 16 mm thick.

**4) Shelves:**

**Standard carcass:** Multi-layer chipboard, covered on both sides with melamine resin in accordance with EN 14322.

All edges finished, front edges covered with 1,5 mm thick wood veneer.

Up to a width of 60 cm: thickness 16 mm, from 80 cm: 18 mm thick.

All metal shelf supports. All shelves are prevented from being pulled out completely.

**5) Drawers and pullouts:**

**5.1) Standard Carcase:**

Steel framed drawer and pullout system (double-walled) with silver colored plastic covered surface.

Floor thickness 16 mm.

Pullout with 8 mm thick glass sides and high back, without railing.

Inner drawers and inner pull-outs with metal front.

**5.2) Drawers and pullouts in general:**

**Fully extendible rails** with self-closing and synchronized roller carriage system.

Drawer- and pullout-fronts can be removed and are easily adjustable both horizontally and vertically (for pullouts three-dimensionally adjustable).

As standard with pneumatic retraction damper.

Loading capacity 50 kg for all drawers and pullouts up to 60 cm cupboard width.

Loading capacity 70 kg for all pullouts from 70 cm cupboard width and curved cupboards.

The life span with minimum 60.000 loading cycles (opening and closing) meets all requirements of the DGM quality control association.

Large selection of interior fitments in plastic, metal and solid beech.

**6) Solid and genuine wood veneer fronts, natural, stained and colour lacquered.**

Selected fine woods worked in finest craftsmanship. High quality three-layer flat pressed particle board is used for veneered surfaces, V 20 E 1 in accordance with DIN 68 761.

All surfaces are sealed all round at least twice with PUR- or two-component acrylic resin lacquer. They are therefore easily maintained and are protected to a high degree against wear and tear in the kitchen.

Several colours and stains can be chosen from the price and type list.

Total thickness from 19 - 21 mm.

**7) Laminate fronts**

High density, three layer particle board, both sides melamine resin coated, in accordance with EN 14322. Post formed and high gloss fronts, laminated on both sides with moulded laminate plates in accordance with EN 438.

Textured laminate surfaces, impervious to all common household liquids.

Rounded thick edges matching front colour.

Laminate fronts with multiplex support plate.

Total thickness from 18 - 23 mm.

Various surfaces and colour shades are available.

**8) Laminated foil covered fronts**

Foil-covered fronts with high-density MDF base panels. Front face with seamless decorative coating. Reverse side coated with melamine resin. Satin finished and matt foil cover available with several decorative and easy-clean surfaces.

**9) Colour lacquered fronts with satin-finished surface.**

Base material: MDF-board with foil coating. All surfaces are completely sealed with PUR or acrylic lacquers and are therefore largely resistant to moisture penetration.

Several colour shades are available.

Front thickness 19 mm.

**10) Colour lacquered fronts with one-sided relief imprint and satin finished surface**

Base material: HDF triple-layered fine particle board with one-sided relief imprint. All surfaces are sealed with PUR- or acrylic resin lacquers all round. They are therefore largely resistant to all liquids. Several colour shades are available to choice.

Front panel thickness 19 mm.

**11) High gloss lacquered fronts**

Base material: MDF base panels.

High-grade gloss lacquering with multiple lacquer build-up, produced in special pressurized chambers. All surfaces are completely sealed with PUR lacquer and are therefore largely resistant to moisture penetration. Brilliant lacquer surface which is nevertheless insensitive to handling and easy to maintain. The reverse side of the panel is lacquered velvety matt.

For transport, the surface is additionally protected by means of a self-adhesive transparent film.

Front panel thickness 19 mm.

**12) Acrylic Fronts**

Base material: MDF-panels with high gloss acrylic coating on the front. Reverse side colour matching, matt textured. Rounded plastic thick edges all round, matching the front colour. For transport purposes, the front is additionally covered with a self adhesive clear foil. Each kitchen is delivered with a care and maintenance set. Front thickness 19 mm.

**13) Glass Fronts**

Glass front fashioned in high quality glass-frame combination. High gloss front of hardened and tempered white glass (ESG). Reverse side foil covered support frame. All round solid metal edges in aluminium MS 413, overlapping the glass edge. The smooth transition between glass and metal edge is a classic design feature. On the reverse side the glass is lacquered opaque.

Front thickness: 21 mm

**14) Stainless steel fronts**

Basic material: highly compressed triple-layered fine particle board, coated on both sides with melamine resin in accordance with EN14322. Front and edges faced with stainless steel (shell manufactured in one piece and glued to base material).

Brushed surface impervious to all common liquids used in the home.

Front thickness 20 mm.

**15) Handle-less fronts**

Fronts are slanted in the handle area. On wall units the fronts are protruding below.

**16) Interior fittings:**

Solid chromium plated wire fittings and wire baskets.

Extensive range of waste separation systems.

For additional fittings see price and type list.

**17) Fittings:**

**17.1) Hinges:**

Automatically closing, concealed all metal hinges.

Easily adjustable in three directions (also height adjustable).

Clip mechanism ensures easy removal and replacement. Metal base plate fixed with dowels.

Opening angle 107 degree (176 degrees on request and at extra charge).

The lifetime meets all requirements issued by the quality organization DGM with respect to a minimum of 80.000 load cycles (opening and closing).

**17.2)** All doors and top hung doors have a **standard closing damper ASD**.

**17.3) Suspension fittings for wall units:**

Stable, three-dimensional and adjustable metal suspension fitting. The fitting is not visible within the wall unit (just 2 cover caps). Load capacity per pair of suspension fittings 100 kg. Wall mounting is effected by means of continuous steel profiles (for length of wall unit), wall plugs and the special screws supplied.

**17.4) Guides:**

for drawers and pullouts (see item 5).

**17.5) Special fittings:**

For corner units (TE 80/90) with automatically closing carousel, tall unit pull-outs, bread cupboard, extendible tables, wall unit swivel shelves, corner unit pull-outs, fold- and lift-up cupboards, niche cupboards, storage cupboards, roller shutter cupboards etc.

**18) Worktops:**

**18.1) Worktops with laminate surface**

Multi layered chipboard V 20 E 1 in accordance with DIN 68761.

Surfaces and edges covered with decorative, heat-resistant laminated sheet in accordance with EN 438. Heat resistance of textured surfaces over short periods up to 180 degrees and with high-gloss covering only up to 120°C for short periods.

The surfaces are impervious to all common household acids and caustic solutions.

The underside is sealed against moisture penetration.

The rear edge is also protected against moisture.

Corner connections are made with tongue and groove and special connecting bolts.

Depths: 60, 70, 90 and extra depths up to 120 cm are possible with round edging.

Thickness: 4 cm and 6 cm.

A selection of worktop designs, surface and edge styles are available.

### 18.2) Granite worktops

Granite is a natural product characterized by extreme hardness and durability. The material is absolutely heat-resistant and extremely acid-resistant. Depending on the type of granite, it is a more or less open-pore natural product, which prevents the surface being sealed completely by impregnation. Fats and fruit juices (acidic) can cause spots if left on the surface for long periods and should be removed immediately. All visible outer edges are softened and polished.

Depths: 60, 70, 90 and 120 cm.

Thickness: 3 cm = solid material

4 cm = 2 cm thick granite top with 2 cm thick and 7 cm wide underlining.

6 cm = 2 cm thick granite top with 4 cm high granite box blender (2 cm thick)

Curves, cutouts, chamfers and cut-outs for equipment and sink units are possible in almost every shape and size.

Several types of granite are available for selection.

### 18.3) Solid wood worktops

Selected solid wood specially processed.

Optimal combination of individual woods and most effective drying with 8% wood moisture content. Excellent connection of the individual pieces in longitudinal and transverse direction by means of dovetail connections. Formaldehyde and phenol-free adhesives are used.

Slat width approx. 6 – 8 cm. Front edge rounded.

Surface treatment in the factory with special biological oil.

Depths: 60, 70, 90 and 120 cm.

Thickness: 4 cm and 6 cm.

Types of wood: maple, beech, oak, walnut and fuegian cherry.

### 18.4) Quartz material worktops

Quartz material surfaces are produced in a special process. The base materials of quartz granules, colour pigments and resins are mixed and pressed in a vacuum and vibration process under high pressure (approx. 100 tons). The curing process then follows in special ovens with a temperature of 88 degrees C. The final finishing procedure includes calibrating and surface treatment during which the tops are smoothed and polished.

Surfaces are resistant to all common household acids and detergents.

Depths: 60 and 70, 90 and 130 cm.

Thickness: 4 cm = 2 cm thick quartz material with 2 cm thick under lining.

6 cm = mitered edge

Curves, cutouts, chamfers and cutouts for appliances and sinks can be produced in the required form in most cases. Several colours are available to choice.

### 18.5) Glass worktops

Glass worktops in the overall thicknesses of 31 and 40 mm. The top consists of a support top with laminate finish both sides and metal edging. The front edge of the worktop is stepped and it therefore appears to be floating.

The glass cover is 12 mm thick and treated both sides. The top surface is "satin finish", the reverse side is individually coated with RAL colours from the colour range "Classic". The colour is baked on, at the same time changing the glass itself into safety glass. Safety glass is resistant against all usual kitchen temperatures (approx. 220 degrees C) and largely impact resistant.

Depths: 60 and 70, 90 and 120 cm.

Thickness: 3 cm = 1,2 cm thick glass cover with 1,9 cm thick support top.

4 cm = 1,2 cm thick glass covers with 2,8 cm thick support top.

Curves, cutouts, chamfers and cutouts for appliances and sinks can be produced in the required forms in most cases. All RAL-Classic-colours are available to choice.

**19) Contour blenders for worktops**

**19.1) Wall connecting strips for laminate worktops.**

All contour blenders are fitted with flexible rubber-type soft sealing lips towards wall and worktop and therefore ensure a watertight seal. For ease of fitting, we supply interior and exterior corner pieces, 135 degree corner pieces and end caps.

Height: 3 cm, fixed lengths: 125, 250, 375 and 500 cm.

Colours and designs adapted to match the worktop covering.

**19.2) Wall contour blenders in stainless steel coloured aluminium for worktops**

The wall contour blender has a flexible rubber-type sealing lip towards wall and front and therefore ensures a tight finish. Interior and exterior corners are available for ease of installation.

Height: 3,2 cm, thickness: 3 cm, fixed lengths: 200 and 400 cm

**19.3) Solid wood wall contour blender**

Profiled solid wood strips with oiled surface. Corner connections mitred.

Ends fitted with special end caps.

Height: 3,5 cm, thickness: 2,5 cm, max. length: 400 cm.

Fixing by means of double-sided adhesive strip and silicone.

**19.4) Wall contour blenders in quartz material**

The original material in all listed colours. Surface polished on one side, 1 longitudinal edge softened and polished. Corner solutions are butted (not mitred).

Height 5 – 10 cm, thickness: 2 cm, length max. 290 cm.

**20) Worktop accessories**

Flush-mounted sinks can be inserted in laminate worktops only.

Extension tables, support legs, bar tops, panelling, etc.

**21) Shelves units, shelves and special cupboards**

Floor-, wall- and tall unit shelves, angled end shelves, niche shelves, console shelves, functional shelves, built-under shelves, diagonal cupboards for base, wall and tall units and various segments etc. are available in several widths and heights. Shelves are generally flush with the front.

All shelves are fitted with an invisible, three dimensionally adjustable suspension fitting.

**22) Design elements**

Additional LEICHT proprietary design elements such as curved cupboards, glass sliding door cupboards, etc. are available for selection.

**23) Accessories and Fittings**

The price and type list has a rich variety of light blenders, lighting systems, cornice, fillers, ceiling panels, wall and side panels, built-in and built-under accessories, table extensions, etc.