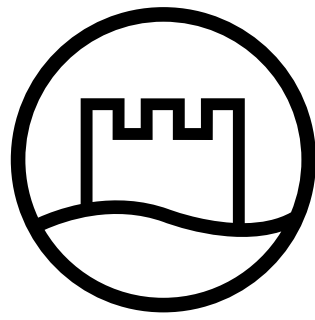




burgbad

Product information

Edition 2022



PEFC - BURGBAD BACKS SUSTAINABLE BATHROOM FURNISHINGS



Förderung
nachhaltiger
Waldwirtschaft
www.pefc.org

All our furniture has held PEFC chain of custody certification since 2014. PEFC is an independent certification system that promotes sustainable forest management. Only companies who can provide end-to-end verification that the wood they process is sourced from sustainably managed forests are awarded the PEFC seal of approval. As a result, burgbad furniture with the PEFC label guarantees that the entire production chain is certified – all our wood materials originate from monitored sources. Wood carrying the PEFC certificate of origin is free from any suspicion of originating from illegal logging or exploitation. It is proven to come from forests that are managed in harmony with nature and in line with strict criteria – so that they are fully retained for future generations.

FIRST CLIMATE-NEUTRAL BATHROOM FURNISHINGS MANUFACTURER



After joining the DGM Climate Pact in 2016, we consistently worked to first reduce greenhouse gas emissions and fully compensate for the rest. This is an ongoing process. On the basis of the DGM criteria, we get the direct and indirect greenhouse gas emissions in the areas of Scope 1, Scope 2 and Scope 3 calculated every year and our carbon footprint completely neutralised by purchasing high-quality Gold Standard certified carbon credits. burgbad is thus actively committed to climate protection.

„GOLDEN M“ QUALITY MARK



burgbad bathroom furniture has been awarded the Golden M quality mark by DGM (German furniture quality association). The DGM is an association of furniture manufacturers and suppliers whose products are tested by independent testing institutes according to superior quality criteria.

The following elements are tested:

- Surfaces for sensitivity to scratches, heat, chemical substances etc.
- Quality of joints, veneers, glue bonding (critical for use in damp rooms)
- Furniture functions
- Load capacity of the fittings
- Environmental compatibility of the materials

EMISSIONS LABEL FOR FURNITURE



In Germany burgbad achieves the best possible classification in the world's first emission label for furniture. The DGM emissions label provides information on emissions of harmful substances at a glance and is intended to protect you against negative impacts on your health. The entire range of burgbad furniture is classified in emissions class A. For your safety.

The DGM emissions label gives you information on emissions of harmful substances at a glance and is intended to protect you against negative impacts on your health. The entire range of burgbad furniture is classified in emissions class A. For your safety.

DESCRIPTION



The electronic description of our furniture consists of tested parts and complies with the requirements in the CE directives.

INDEX

A PRODUCT LINE OVERVIEW

B FURNITURE COMPONENTS

1. Carcasses
2. Fronts
3. Drawers
4. Fittings
5. Handles

C TYPES OF FURNITURE

1. Cabinets
2. Mirrors / Mirror Cabinets /
Mirror cabinet for wall installation
3. Wash Basins
4. Work tops
5. Tubs

D TECHNICAL TERMS FROM A - Z

(Note: All technical terms marked with P are explained in the section Technical Terms from A - Z)

E MINERAL CAST TECHNICAL DETAILS



sys10



sys20



sys30



rc40

A PRODUCT LINE OVERVIEW

sys10 = Includes product lines with a limited range of models that enables us to dispatch them from the factory within 2-4 days. We ensure this by keeping prefabricated furniture elements in stock at our parts warehouse.

Eqio - Fiumo - Ivey - Junit - Ceramic washbasins

sys20 = Includes self-contained product lines of furniture with fixed dimensions. The individual product lines have different design features.

Badu - Bel - Coco - Cona 2.0 - Crono - Cube - Essence - Euro - Flex - Lavo 2.0 - LIN20 - Max - Mya - Orell - rc40 Solitaire - Sinea 1.0 - Sinea 2.0 - Yso - Yumo

sys30 = A product line with flexible dimensions and four price tiers (Aqua - Echo - Diago - Sana). In addition to standard sizes, washbasins from this range can be produced in custom lengths and cabinets in custom lengths, widths and depths.

If necessary, some sys30 cabinet types can be combined with sys20 and sys10 components as these use the same surface finishes.

rc40 = The burghad room concept. Simplicity and function are the essence of rc40. The room concept, furniture and elements in this range meet premium standards. The bathroom merges into your living space with fluid transitions to other areas of the home. This not only applies to the bathroom layout but also to the materials used: not only will you see the special qualities of rc40, you will feel them too.

rl Room Light = Innovative mirrors and mirror cabinets that combine design with fabulous functions.

rl30 - rl40

Guest bathrooms = Tiny space sensations. These components share the aesthetic features of sys20 and sys10 to let our customers indulge their interior design visions even in small guest bathrooms.

Badu - Bel - Coco - Crono - Eqio - Fiumo - Ivey - Junit - Lavo 2.0 - LIN20 - Max - Orell - rc40 Solitaire - Sinea 1.0 - Sinea 2.0 - Yumo

Baths = Our mineral cast tubs combine outstanding dimensional stability with slender contours and sides. So you have plenty of room to lie back and relax and can place your bathtub wherever you want in the room.

Badu - Crono maßflex - Crono oval - Senza

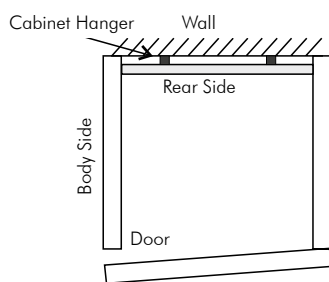
B FURNITURE COMPONENTS

1. CARCASS

The side walls of carcasses either match the front or contrast with the front depending on the product line.

The front circumferential body edges are faced with a 1.5 mm thick edge band, all others are faced with melamine edges. The body is permanently joined with a glue laminated dowel joint.

Carcass back walls consist of MDF panels 3.2 mm thick. The back wall fits into grooves in the sides and is fastened to the top and bottom construction panels by brackets. The back wall is set forward, allowing sufficient air to circulate around the backs of the furniture and means that the cabinet hangers can be concealed.



2. Fronts

All fronts are mainly made of 19mm-thick core panels but can also be produced in other thicknesses depending on the product line. We use either three-layer E1 particle board or MDF board as the backing material depending on the front surface.

Surfaces	backing material
Real wood veneer	E1-particle board
Matt or high gloss lacquer	MDF
Melamine coating with edge band/laser edge	E1-particle board
Acrylic front high gloss with laser edge	MDF
Thermoform front	MDF

Wood is a natural product so real wood veneers can have slight colour deviations and structural differences. Variations in structure, grain and colour and small knots and oxidative stains are evidence of the material's authenticity.

For that reason, we cannot guarantee a continuous grain pattern across multiple adjacent doors or drawer fronts. The same applies to wood finishes.

Fronts, carcasses and surfaces are made from different materials (e.g. thermoformed films, melamine films, laminates etc.). Colour deviations on the products are due to the materials used.

Our furniture is manufactured, assembled and delivered to order.

2 a) FRONTS WITH REAL WOOD VENEER

This real wood veneer has been sliced or peeled to a thickness of 0.6 to 0.7 mm. The core panel is 19mm-thick E1 particle board.

Processing Steps:

- Pressing

The veneer is permanently joined with the particle board using waterproof glue with high pressure and heat during the pressing process.

- Polishing

The still raw veneer is now finely polished during multiple polishing steps. All corners and edges are inspected and additionally worked by hand.

- Staining/lacquering

The workpieces are stained to emphasise the wood grain.

All stained surfaces need a lacquered topcoat.

We apply a total of 2-3 coats of lacquer to every side. The lacquer must dry for 24 hours between each application and be finely polished by hand.

Real wood fronts are used in the following programmes:

sys20 (Coco, Crono, Max, Mya, rc40 Solitaire, Yso) - sys30 (Sana) - rc40



Front construction from the inside to the outside:

E1 particle board real
wood veneer
coloured glaze
1st coat of lacquer
2nd coat of lacquer
Solid wood framing

2 b) LACQUERED FRONTS

Alongside veneer fronts, lacquered furniture fronts with their elaborate manufacturing process number amongst the highest quality surfaces.

A medium density fiberboard serves as the basis material for lacquered fronts. With its fine fiber structure, medium density fiberboard is especially suited for lacquered furniture.

Processing Steps:

- Cut / Edges

After the initial raw cut, the front is milled to its exact size on all sides, the profile is milled and the edges are sanded

- Polishing

All corners and edges are inspected and additionally worked by hand.

- Lacquering

Primer is applied to the surfaces and edges prior to the actual lacquer. This is drawn deeply into the medium density fiberboard structure and stabilizes the fiber structure. After the primer, 2 to 3 coats of coloured lacquer are applied. The surfaces and edges are polished and inspected after each coat. The drying time between each individual coat of lacquer is between 12 and 24 hours.

- Polishing

High gloss fronts must harden for 48 hours before polishing.

Lacquered wood fronts are used in the following programmes:

sys20 (Bel, Coco, Crono, Cube, Essence, LIN20, Orell, rc40 Solitaire, Sinea 1.0, Sinea 2.0, Yso) - sys30 (Diago, Sana) - rc40



Front construction from the inside to the outside:

MDF
Insulating primer
Filler
Coloured lacquer
High gloss lacquer

2 c) MELAMINE COATING WITH EDGE BANDS OR LASER EDGE

Edges: Straight edges are applied in one pass on the formatting line using PUR hot melt adhesive and then milled to a rounded bevel.

Laser edges: Laser technology fuses the panel and edging into a jointless whole.

Melamine Coating fronts in the following product lines:

sys10 (Eqio, Junit) - sys20 (Bel, Coco, Euro, Flex, LIN20, Orell, Yumo) - sys30 (Aqua, Diago) - rl30 - rl40



Front construction from the inside to the outside:

E1-particle board
Melamine
Edge band / Laser edge

2 d) ACRYLIC FRONT HIGH GLOSS WITH LASER EDGE

Acrylic high gloss surfaces have an excellent deep varnish look. The edge is lasered to the board and thus no visible rim and no access for moisture.

Acrylic surfaces are coming with following programmes:

sys10 (Eqio, Junit) - sys20 (Euro, LIN20, Orell, Yumo) - sys30 (Diago)



Front construction from the inside to the outside:

MDF
Acrylic
Laser edge

2 e) THERMOFORM FRONT

Thermoform fronts, also called 3D fronts, are produced using so-called deep-drawing methods. The initial material is multiple density fiberboard, which is first processed like the surface (e.g. milling of grooves, profiles, patterns). A thermoplastic film is then applied to the board using adhesive, pressure, heat and vacuum methods. Finally, the remainder of the film on the inner edge is sanded flush.

The advantage of this process is the simultaneous complete coating of the surface and all side edges. Custom production is also possible after consulting with us.

Thermoform fronts are used in the following burgbad programmes:

sys10 (Fiumo, Ivey) - sys20 (Badu, Bel, Cona 2.0, Cube, Essence, Flex, Lavo 2.0, Orell, Sinea 1.0, Sinea 2.0) - sys30 (Echo)



Front construction from the inside to the outside:

MDF
Thermoform Foil

B FURNITURE COMPONENTS

3 DRAWERS / PULL OUT DRAWERS

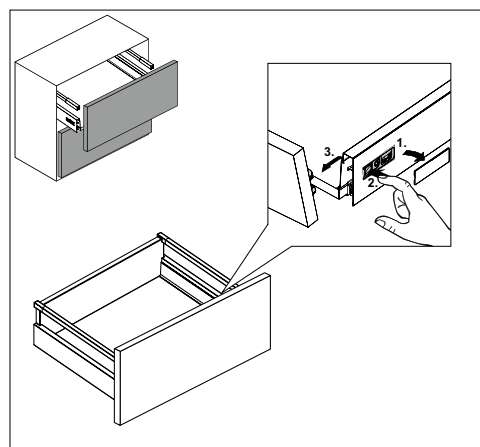
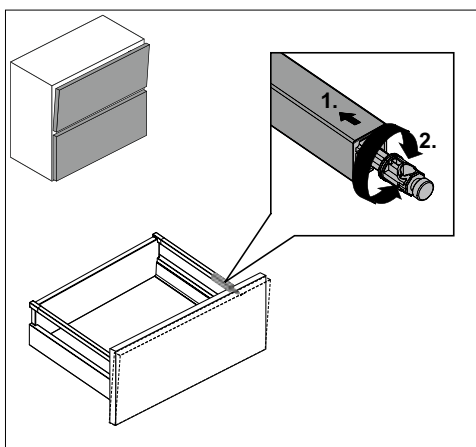
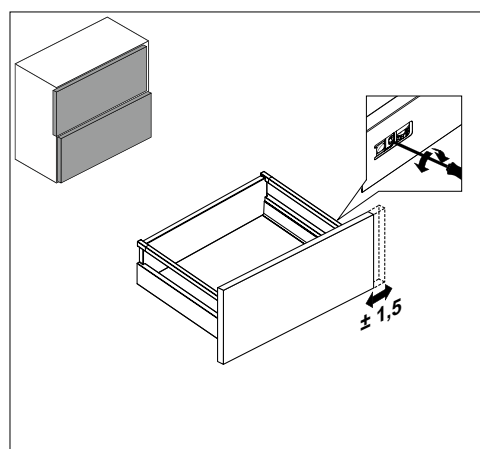
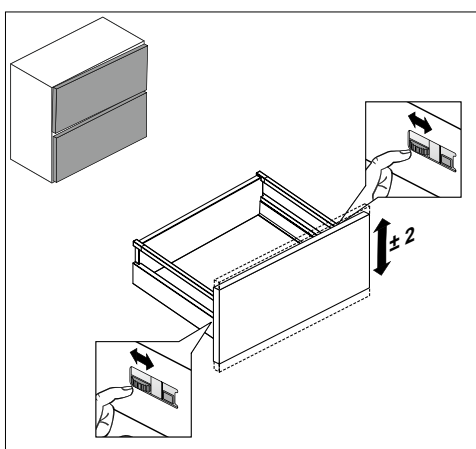
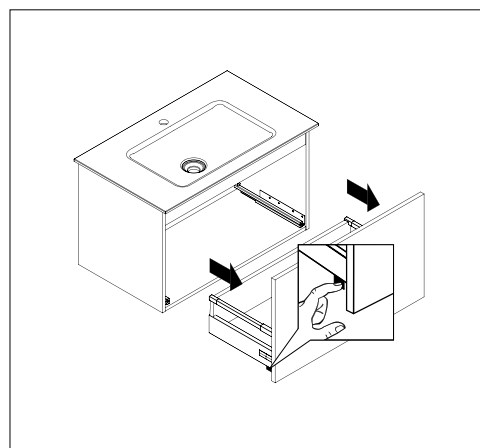
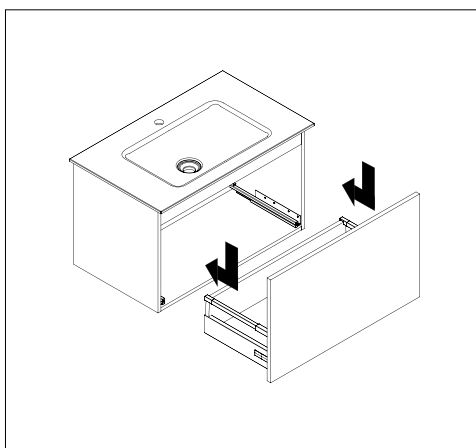
burgbad stands for quality, durability and function: All our furniture is fitted with metal frames to ensure that the pull out drawers run flawlessly. Full extension allows you to use the whole drawer easily and the self-closing, soft-close mechanism shuts with barely a sound. This Silent System closes the drawers ever so gently and quietly. The pull out drawers run perfectly true and incredibly smoothly on six steel ball bearings in the guides. All have integrated catch mechanisms.

We mainly use steel back walls for cabinets 300, 350, 400 and 450 mm wide; we use melamine back panels for cabinets in special sizes.

Standard

sys10 - sys20 (Badu, Bel, Cona 2.0, Cube, Essence, Euro, Flex, Lavo 2.0, LIN20, Orell, Sinea 1.0, Sinea 2.0, Yumo) - sys30

Video:

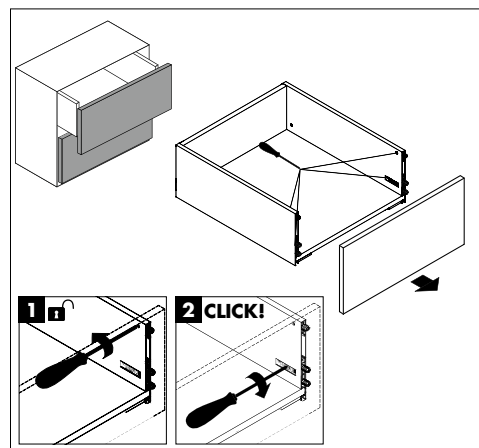
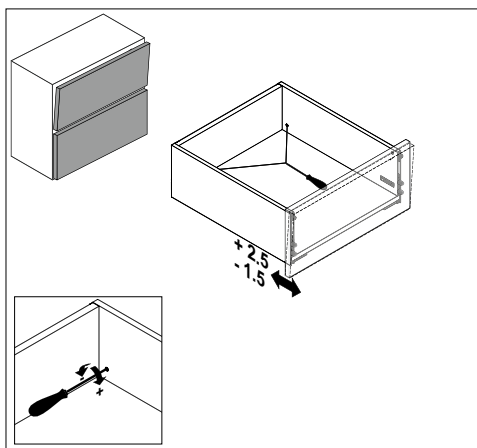
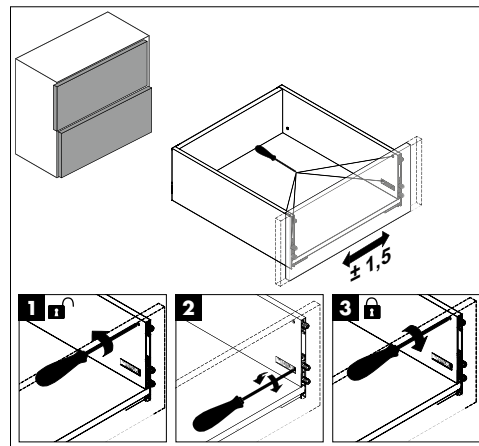
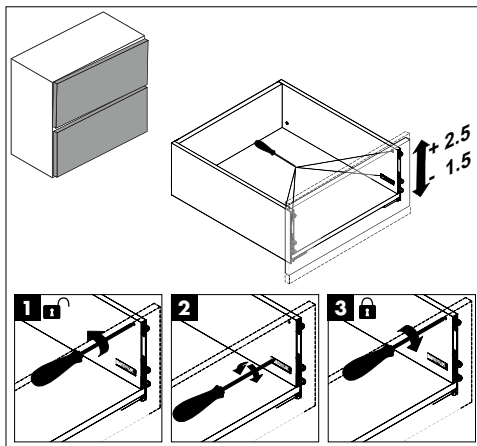
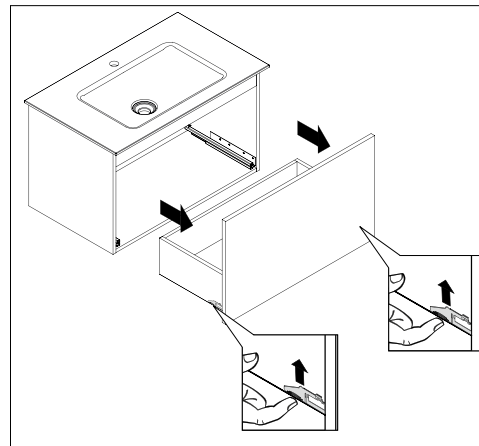
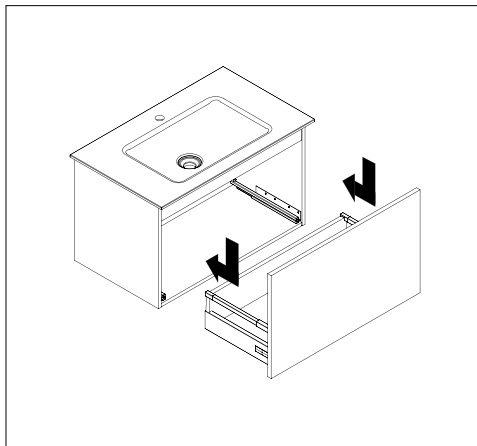


3 DRAWERS / PULL OUT DRAWERS

Premium

sys20 (Coco, Crono, rc40 Solitaire, Yso) - rc40

Video:



4. FITTINGS

4 a) CABINET HANGER

The hidden full metal hangers using in Sys30 and Sys20 can be installed on mounting rails as well as with brackets and hooks. Both types of mounting allow adjustments and alignments on all sides. The hanger is affixed to the body behind the rear side. The hanger and height and depth of the cabinet can be adjusted using two screws on the inside of the cabinet. The cabinet hanger has been tested for a continuous load of 130 kg per cabinet. The cabinet hanger is mounted on the inside of the cabinet for wash basin substructures and is thus visible. The height and depth of the cabinets can be adjusted using two adjusting screws.

4 b) MOUNTING RAILS

Matching mounting rails are coming with delivery. Below 300 mm width hooks are delivered.

4 c) HANGING CONSOLES

Some burgbad mineral cast wash basins also receive hanging panels made from solid galvanized metal in addition to the hanging cabinets. After the precise pre-assembly and adjustment of the wash basin vanity using a normal cabinet hanger, the panel is attached with standard stock screws. (Not included in delivery)

4 d) HINGES

All product lines are equipped with full metal hinges which have the following operating advantages:

- Adjustable width and depth
- 110° opening angle
- Easy installation and removal of the doors thanks to clip attachments This is especially important during the mounting of the furniture, as the doors need to be removed for this. No new adjustment is required when the doors are reinstalled.

All structural elements of the hinges are made of metal. This allows a lifetime of 20 years and more with proper usage.

An innovative door soft closing system with a sophisticated mechanism provides a nearly silent closing of the door using a slow closing process. The door soft closing system automatically adjusts itself to the closing speed. The door closes gently and slowly.

5. HANDLES

A different number of handles and / or knobs are offered for each product line, which can be freely selected.

Please see the current price list for a detailed overview.

Metal handles are produced from various materials such as brass, iron and zinc die cast. Different surfaces are achieved with galvanic treatment (Chrome, Chrome matt, Brass white or black).

MADE-TO-MEASURE AND CUSTOMISED PRODUCTION

Tall units, wall units and base units are available in made-to-measure widths from 150 to 450 mm. Cabinets with made-to-measure heights, widths and depths are available for a surcharge depending on the cabinet type and product line. All details of customised cabinet sizes can be found in our price list. Our customised bathroom furniture lets you design creative compositions. Combine carcass elements of various sizes with an assortment of different functions, such as doors, glass doors, double doors, drawers, pull out drawers, open compartments and shelves.

2. MIRRORS / MIRROR CABINETS / MIRROR CABINET FOR WALL INSTALLATION**2a) MIRRORS**

burgbad carries a whole range of mirrors and illuminated mirrors. They are available in various widths from 400 mm to a maximum of 2000 mm.

2b) MIRROR CABINETS

kind	Serie
vor der Wand montiert	sys10, sys20, sys30, rc40, rl30, rl40
auf der Vorwand aufgesetzt	sys30, rc40
in Nische eingebaut	Crono, sys30, rc40, rl30

The sys30 range includes mirror cabinets from 300 mm to 1800 mm wide and recessed mirror cabinets from 800 mm to 1600 mm wide. A cover frame is included and does not have to be ordered separately.

The dimensional tolerance of the niche is +/- 5 mm. The installation depth is 16 cm.

- Mirror Glass

State-of-the-art mirror material is used. Mirrors do not become cloudy or spotty with ageing as they are not copper-plated. All mirrors and mirror doors have sanded and polished edges.

- Mirror Cabinet Doors

Double glass doors mirrored on both sides

- Installed Shelves

The glass installed shelves has sanded edge all around, whereas the front edge is polished. It is attached using adjustable flooring clamp supports.

- Electrical

Most of our mirror cabinets have a switch / socket element inside, depending on the model.

Alternatively, lighting can be controlled by the room switch.

- Lighting

LEDs guarantee a long service life of up to 100,000 hours and minimal power consumption. They emit their full brightness from the second they are switched on and are also resistant to vibration.



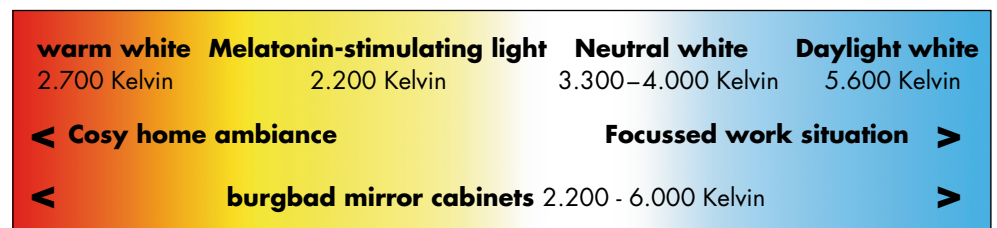
Dimmable lighting

Lights on mirrors and mirror cabinets can be dimmed.



Light temperature control

The lighting of mirrors and mirror cabinets can be individually adjusted from cold to warm white.



3. WASH BASINS / WASH BASIN VANITIES

Our washbasins are always supplied in Brilliant White as standard if no other colour is specified.

3a) CERAMIC WASH BASINS

(sys10: Eqio, Iveo, Junit - sys20: Bel, LIN20, Max, Mya, rc40 Solitaire, Yso - sys30)

Ceramics - are industrially produced of high-quality porcelain raw materials: kaolin, clay feldspat and quartz. When firing temperatures reach approximately 1.250°C, the ceramic body creates a lasting compound with the glaze that gives the product a high mechanical consistency and a cohesive glass surface.

All ceramics receive certain dirt-repellent surface finish.

The dimensional tolerance of our ceramic washbasins is +/-0.8%. Ceramic washbasins are only available with one tap hole. We also supply washbasins with 2 or 3 tap holes on request for a surcharge.

3b) VANITY UNITS FOR CERAMIC WASHBASINS

burgbad provides suitable vanities for ceramic wash basins from the most well-known companies such as Duravit, Geberit, Grohe, Ideal Standard, Laufen, Kaldewei, Villeroy & Boch and Vitra. Vanities can be provided for wash basins not listed on the price list upon request.

C TYPES OF FURNITURE

3c) MINERAL CAST WASH BASINS (Rocksolid)

(sys10: Eqio, Fiumo, Iveo, Junit - sys20: Badu, Bel, Coco, Cona 2.0, Crono, Flex, Lavo 2.0, LIN20, Orell, rc40 Solitaire, Sinea 1.0, Sinea 2.0, Yumo, sys30 - rc40)

Mineral casting is a mixture of ca. 80% natural minerals, such as calcium carbonate or quartz and ca. 20% of a high quality unsaturated polyester resin. This material is enclosed by a coloured, glossy gel coating layer. This layer is the visible surface which gives the sanitary product its attractive appearance!

We offer numerous mineral cast wash basins in various colours.

- Material

For mineral cast wash basins, the basin and countertop are seamlessly cast from one piece. There are no joints or dust collectors between the wash basin and the furniture, as the wash basin simultaneously serves as the cover plate for the furniture.

The material is impact and scratch resistant, resistant to chemicals, neutral to contact with food, can be disinfected and is very easy to care for. Scratches and minor damage can be remedied with a repair set which is also available.

In addition to the characteristics described above, mineral cast wash basins have a durable surface on which it is difficult for dust and chalk to collect. The smooth, poreless surface helps individual drops of water to collect into beads and drain away, taking dissolved remnants with them.

Please note that the water temperature should not exceed 65° or the surface can be damaged.

A damp cloth is all that is needed to clean the wash basin. Aggressive cleaners and intensive cleaning are unnecessary.

Nearly all mineral cast wash basins are delivered with the drainage and overflow system => "Clou" by Geberit.

The following manufacturing-related tolerances apply:

0,2% in length/depth per side. The tolerances for linear dimension varies for standard fix-dimension, flexible dimension and niche as follow:

Fix dimension: 0,3% / -0,1% related to nominal dimension

Flexible dimension: +3/+6 mm

Niche: +0/-3 mm

Mineral cast washbasins to be installed in a niche should be 5 mm smaller than the niche (approx. 2.5 mm shorter on left- and right-hand sides).

All mineral cast basins come with one tap hole as standard. As an option you can request no tap hole. If additional tap holes are required this will incur an additional charge and detailed drawings must be provided when the order is placed.

C TYPES OF FURNITURE

3d) GLASS WASH BASIN

(sys10: Eqio - sys20: Bel, rc40 Solitaire, Sinea 1.0 - sys30 - rc40)

Glass wash basins are produced from 12 mm glass in a thermoforming process. The bowl section is heated to such a high temperature that the basin is formed from the plate.

Glass wash basins are painted from the underside in any desired colours.

Up to 6 colours are available in matt and glossy finishes depending on the product line. Matt surfaces are achieved by special process of the upper side.

We use „white glass“ to avoid any unwanted green colouration of the glass.

Optionally, these can also be ordered without any fitting holes at no extra charge or with multiple fitting holes wherever you specify for a surcharge.

Please note that the water temperature should not exceed 65°.

3e) COMPACT-WASHBASINS (HPL)

(sys30)

HPL: This material has an extremely well-sealed surface that looks stunning and feels soft to the touch. It is extremely resistant to abrasion, scratches, dry heat, moisture, and acidic and standard cleaning agents. The material guarantees an exceptionally long service life without losing any of its outstanding properties over the years. The washbasins are very easy to clean using a soft, damp cloth and a little liquid cleaner.

4. WORK-TOPS

4a) GLASS WASH BASIN COUNTERTOP

(sys20: Crono - sys30 - rc40)

Glass console panels are made of 10mm glass painted on the underside in the desired colour. Up to 6 colours are available in matt and glossy finishes depending on the product line.

We use „white glass“ to avoid any unwanted green colouration of the glass.

Matt surfaces are achieved by special process of the upper side.

Glass console tops must always be completely supported by vanity units. They are supplied with a 10mm edge.

The console panels can be supplied with tap holes for a surcharge.

4b) MELAMINE CONSOLE PANELS

(sys20: Bel, LIN20 - sys30)

Melamine console panels (thicknesses: 10 mm, 25 mm, 45 mm) are made of decorative paper impregnated with melamine resin that is bonded to the base material using heat and pressure. You can choose from a whole range of attractive colours. The 10mm-thick console panel is only available in combination with vanity units and must always be completely supported.

The console panels are supplied with a 6mm edge.

The console panels can be supplied with tap holes for a surcharge.

4c) HPL CONSOLE PANELS

(sys20: Cube - sys30)

The HPL boards (Thickness: 50, 70, 87 mm), frequently referred to as resopal, consist of a phenol resin core 0.6 to 1 mm in thickness. This core is coated with one to two melamine resin laminates (similar to the melamine coating of the particle board). The greatest possible wear resistance is achieved via an additional overlay (transparent melamine layer).

The console panels are supplied with a 6mm edge.

The console panels can be supplied with tap holes for a surcharge.

4d) ACRYLIC CONSOLE PANELS

(sys30)

The acrylic console panels (thicknesses: 10mm, 25mm, 45mm, 50mm, 70mm, 87mm) consist of an ABS / PMMA laminate with a hard top coat 0.6 - 1 mm thick. This coating makes the high-gloss surface scratch-resistant and resistant to chemicals and also has an antibacterial effect.

The console panels are supplied with a 6mm edge.

The console panels can be supplied with tap holes for a surcharge.

4e) CONSOLE PANELS WITH SELF-HEALING SURFACES

(sys10: Junit - sys30)

In addition, „self healing surface“ is highly resistant to scratches, abrasion, rubbing and dry heat. It also withstands impacts, acid-based solvents and household reagents. It significantly reduces the bacterial load making its surface hygienic and easy to clean.

4f) LACQUERED CONSOLE PANELS

(sys20: Bel, Crono, Cube, LIN20 - sys30 - rc40)

Lacquered console panels (thicknesses: 10 mm, 25 mm, 45 mm, 50 mm, 70 mm, 87 mm) consist of particle board or MDF panels. The console panels are lacquered several times and then polished to produce the glossy finish. Up to 8 colours are available in matt, ultra matt and high gloss finishes as well as RAL colours depending on the product line.

The 10mm-thick console panel is only available in combination with vanity units and must always be completely supported.

The console panels are supplied with a 6mm edge.

The console panels can be supplied with tap holes for a surcharge.

4g) REAL WOOD VENEER CONSOLE PANELS

(sys30 - rc40)

Real wood veneer console panels (thicknesses: 10 mm, 25 mm, 45 mm, 50 mm, 70 mm, 87 mm) are made of particle board. The veneer is lacquered several times with a special lacquer or stain depending on the design. Up to 14 wood finishes are available depending on the product line.

The 10mm-thick console panel is only available in combination with vanity units and must always be completely supported.

The console panels are supplied with a 6mm edge.

The console panels can be supplied with tap holes for a surcharge.

4h) SOLID WOOD CONSOLE PANELS

(sys30 - rc40)

The material is PEFC-certified knotty oak, a natural product. This makes every console one-of-a-kind with a unique grain pattern, variable patterns of knots and interesting structures. The rustic charm of these 40mm-thick consoles is underscored by their design. The softly contoured faux live edge imitates the slightly wavy cut edges of rustic wooden planks, giving them a particularly original look.

The console panels are lacquered several times with a special lacquer or stain depending on the design. Two colours are available: solid honey oak and solid almond oak.

In the honey finish, the oiled-look surface is only treated with a clear lacquer to protect it from moisture. This brings out the natural wood colour and the typical character of oak particularly well.

The console panels are supplied with a 6mm edge.

The console panels can be supplied with tap holes for a surcharge.

5. TUBS

burgbad bathtubs are made from Rocksolid mineral cast, the same material that we use for our well-known washbasins.

Their sleek and straightforward design can be flexibly combined with any other series to create your own original ambiance.

D TECHNICAL TERMS FROM A-Z

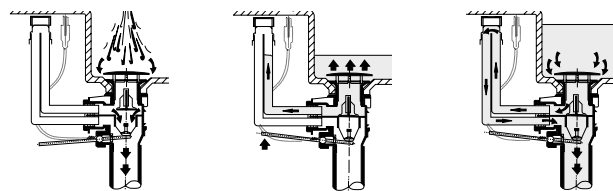
ABS EDGE BAND

ABS = Acrylnitril-Butadien-Styrol

ABS edge bands are 1.2 to 3 mm thick. Curves along the edges with radii of 1 - 3 mm can be created by applying this edge band. The PVC edges which used to be the standard choice for this are rarely used any more as halogen chloride is created when they are disposed of by incineration.

CONCEALED DRAIN AND OVERFLOW SYSTEM

The drainage and overflow system from Geberit without visible overflow opening is delivered with the mineral cast basins. The Clou system functions according to the principle of „communicating pipes“. A plastic pipe divided into two parallel chambers is placed hidden behind the basin up to the upper edge of the possible water level. If the maximum water level in the basin is reached, the excess water flows out through the second pipe chamber.



ENERGY CLASSIFICATION

Furniture with lighting has been subject to standard 874 for energy classification since 01.03.2014. Display furniture is labelled accordingly when it leaves the factory. The corresponding energy efficiency classes are stated in price lists and catalogues.

VENEER EDGE BANDS

All our veneered furniture has veneer or solid wood edge bands. We use normal veneer edge bands 0.6 mm thick or veneer edge bands up to 3 mm thick depending on the radius of the front. The veneer edge bands are surface treated, i.e. sanded, stained, glazed and lacquered, along with the veneered surfaces.

HPL BOARDS

HPL = High Pressure Laminate

The HPL boards, frequently referred to as resopal, consist of a phenol resin core 0.6 to 1 mm in thickness. This core is coated with one to two melamine resin laminates (similar to the melamine coating of the particle board). The greatest possible wear resistance is achieved via an additional overlay (transparent melamine layer).

Ceramic

Ceramics - are industrially produced of high-quality porcelain raw materials: kaolin, clay feldspat and quartz. When firing temperatures reach approximately 1.250°C, the ceramic body creates a lasting compound with the glaze that gives the product a high mechanical consistency and a cohesive glass surface.

DECLARATION OF PERFORMANCE

All products that are subject to the German Construction Products Regulation (especially wash basins, WCs, etc.) comply with standard EN 14688 and are tested and declared accordingly.

SOLID WOOD EDGE BANDS

We use solid wood edge bands for veneered furniture if the contours require larger radii and in particular for rounded corners. Processing solid wood edge bands is very time-consuming and therefore expensive. Solid wood edge bands are surface-treated along with the veneered surface in the same way as veneer edge bands.

MDF BOARD

MDF = Medium Density Fiberboard

In contrast to particle board, MDF boards are not only homogenous on the surface but throughout their entire diameter as well, making them especially well suited for edge profiling. MDF is used as the basic material for painted fronts due to its fine surface and edge properties.

No particles are used in the production of MDF boards, but instead the finest wood fibers which are created through mechanical and chemical processes (similar to paper manufacturing). The fine surfaces can be further processed like particle boards. The edges can be profiled and painted without an additional coating of laminate.

MELAMINE BOARDS

Melamine boards are particle boards which have been coated with a melamine film (80 to 140g thick paper imbued with melamine resin). The coating is permanently joined with the particle board through the melamine imbue ment using high pressure and heat. The surface structure (matt, glossy, pore structure, bead structure, etcetera) is determined by the type of the pressing sheet. The colour is determined by the paper colour and/or the 4 colour décor printed on the paper.

MELAMINE EDGE

The melamine edge is an approximately 0.4 mm thick CPL laminate (continuous pressurized laminate). The colour and structure of the edge is selected with the surface. The melamine edge is attached to the milled particle board using PUR hot melt adhesive and mechanically milled flush.

MINERAL CASTING (FOR TECHNICAL SPECIFICATIONS, SEE PAGE 24/25)

The base material of the mineral cast wash basins consists of approx. 80% of the finest mineral fillers and approx. 20% polyester resins. The coloured surface consists of an approximately 1 mm thick gel coating with a fine high-gloss finish. The surface itself is smoother than porcelain.

The advantage of the materials rests in its easy maintainability (e.g. vinegar-based cleaners, no scouring products). Scratches and small damages to the surface can be easily remedied by sanding and polishing. Burn marks can also be polished out.

Other advantages:

- Almost limitless design options
- Products moulded in one piece
- High gloss or matt surfaces
- Hygienic, non-porous surface
- Hard-wearing: Chips and burn marks can be removed with polishing paste or a special repair kit.
- Feels pleasantly warm to the touch
- Long service life, extremely robust
- Various colours possible

The material mineral casting has been developed further and now has an absolutely robust surface that is very forgiving: **Rocksolid**. As well as maximum brilliance (**Brilliant**), there is now also a new soft matte look (**Velvet**).

We confirm that common household cleaners (e.g. Pril, Ajax glass cleaner, Frosch vinegar and citrus cleaner) are ideal for cleaning these surfaces. We advise against using abrasive cleaning agents or microfibre cloths.

Please make sure that the water is not hotter than 65°C.

PUR PAINT

PUR Paint = Polyurethane Paint

2 component PUR hardener paint is exclusively used as painting material for bathroom furniture fronts today. In principle, this is like a plastic coating.

PARTICLE BOARDS (E1)

Particle boards present the most important basic material in modern furniture production. The furniture particle boards are distinguished as three layer fine particle boards. They consist of a somewhat rougher middle layer and two fine external layers with hard and smooth surfaces. The particle board edges are basically porous and should always be coated with edge laminate.

No waste matter is processed in the production of particle boards, but instead exclusively specially machined natural wood, primarily firs, pines and beeches. Particle boards are classified as per emission classes E1, E2 and E3. The classification of the boards is dependent upon their formaldehyde emissions. For E1 boards, the formaldehyde evaporation can amount to a maximum of 0.1 mg/m³, meaning a maximum of 1g for 10,000 m³ of air. The E1 particle board complies with the highest industry standards today and does not pose any risk to health due to its low emissions.

THERMOFORM FRONT (DEEP-DRAWN)

MDF (medium density fibreboard) boards are used as a base for thermoform fronts. The support plate is initially cut to its exact size and shaped on all sides. Profiles can be cut in the surface as well. The three-dimensionally shaped workpieces are then coated with thermoplastic films using adhesive and the influence of pressure, heat and vacuum in a so-called membrane press process. The surface and all four narrow front sides can be fully coated using this process. This eliminates the need to seal the edges with separate edging strips (seamless).

TIP-ON-TECHNIC

Handle-free opening and gentle self-closing thanks to the soft-close mechanism.

MINERAL CAST TECHNICAL DETAILS

PROPERTIES	MEASURABLE RESULTS	TEST SPECIFICATION
Specific weight/density	1,7 g/cm ³	Internal test
flexural strength	20 +/- 5 N/mm ²	Internal test i.A. DIN EN 1433
Compressibility	70 +/- 5 N/mm ²	Internal test i.A. DIN EN 1433
Strength with gluing	Support parallel: 3,098 kN support crosswise: 10,885 kN	Internal test i.A. DIN 14688
Barcol hardness	45 +/- 5	Internal test i.A. DIN EN 59
resistance to dry heat	At 70°Celsius no visible changes	EN 12722 LGA
by contact resistance	1,4 x 10 ¹³ Ω (Insulator))	EN 61340-5-1
Surface resistivity	1,06 x 10 ¹² Ω (Insulator))	EN 61340-5-1
Resistance to cigarette burns	Yellow changes, by grinding and polish removable	IAPMO i.A. Ansi Z 124.3.2005
Low inflammability	Satisfies condition B2 (normal flammability)	DIN 4102 Teil 1
Global migration, dest. water	< 1,0 mg/dm ²	DIN EN1186-3/9
Global migration Isophthalic acid	< 0,5 mg/l	DIN EN 13130-2
Colour fastness	Colour fast	BfR-Empg. B II IX
Cold hot water changing test 15°C - 70°C 1000 cycles	No visible changes	Internal test i.A. DIN 14688
Thermoshock test 300 cycles	120 sec 80°C / 120 sec 20°C 120 sec 65°C / 120 sec 13°C	Internal test (TWT)
Shock load	35 N without visible changes	i.A. DIN 438 Teil 2 Pkt. 11
scratch resistance	0,4 N	i.A. DIN 68861 bzw. DIN 438 Teil 2 Pkt. 14
Water absorption 24H	< 0,1%	DIN 52103
Disposal	Waste key no. 170107	Mixture of concrete, bricks, tiles and ceramic
Abrasion test	By weight of abrasion 0,6g volumetric abrasion 0,47 cm ³	DIN 53799 bzw. DIN 53754
Ball falling test	No flaking or cracks	IAPMO i.A. Ani Z 124.3-2005
Resistance to boiling water	o visible changes	Internal test i.A. DIN 53799

MINERAL CAST

CHEMICAL RESISTANCE ACCORDING TO DIN EN 14688

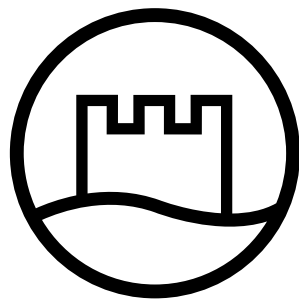
INFLUENCE OF	LEAVES NO TRACE	LEAVES A TRACE , REMOVE WITH:*
acetone	X	
ammoniac 10%	X	
Petrol	X	
Blood	X	
boracic acid	X	
Coca Cola (red label)	X	
Acetic acid 10%	X	
Ethanol	X	
Ethyl acetate	X	
Ethyl alcohol	X	
Gentian-violet-solution		3
color pencil (black)		4
Hair color:		
Light Blond	X	
Black		4
Dark brown		4
Red		X
Hair lacquer	X	
Hand cream	X	
urea 6%	X	
Isopropyl	X	
iodine (1%ige alcoholi solution)	X	
Coffee	X	
Potassium hydroxide 10%	X	
Potassium iodate		4
Potassium permanganate10%	X	
Lipstick	X	
methanol	X	
Methyl blue		1
methlenchlorid	X	
nail polish		1
nail polish remover	X	
Sodium chloride	X	
Sodium hydroxide	X	
Natriumhypochlorit	X	
Caustic soda lye 10%	X	
Orange juice (10% concentrate)	X	
Phosphoric acid	X	
Nitric acid 52,5%	X	
Hydrochloric acid 37%		4
Shoe polish		2
Sulfuric acid 50%	X	
Suntan cream	X	
Spiritus 10%	X	
Shoe polish (liquid-black)		2
ink (blue-washable)		2
Hydrogen peroxide 30%	X	
Xylene	X	
toothpaste	X	
Cigarette glow		2
Citric acid	X	
Lemon juice		1

*1 Acetone

*2 scrubbing powder

*3 Alcohol

*4 Grinding and polishing



burgbad