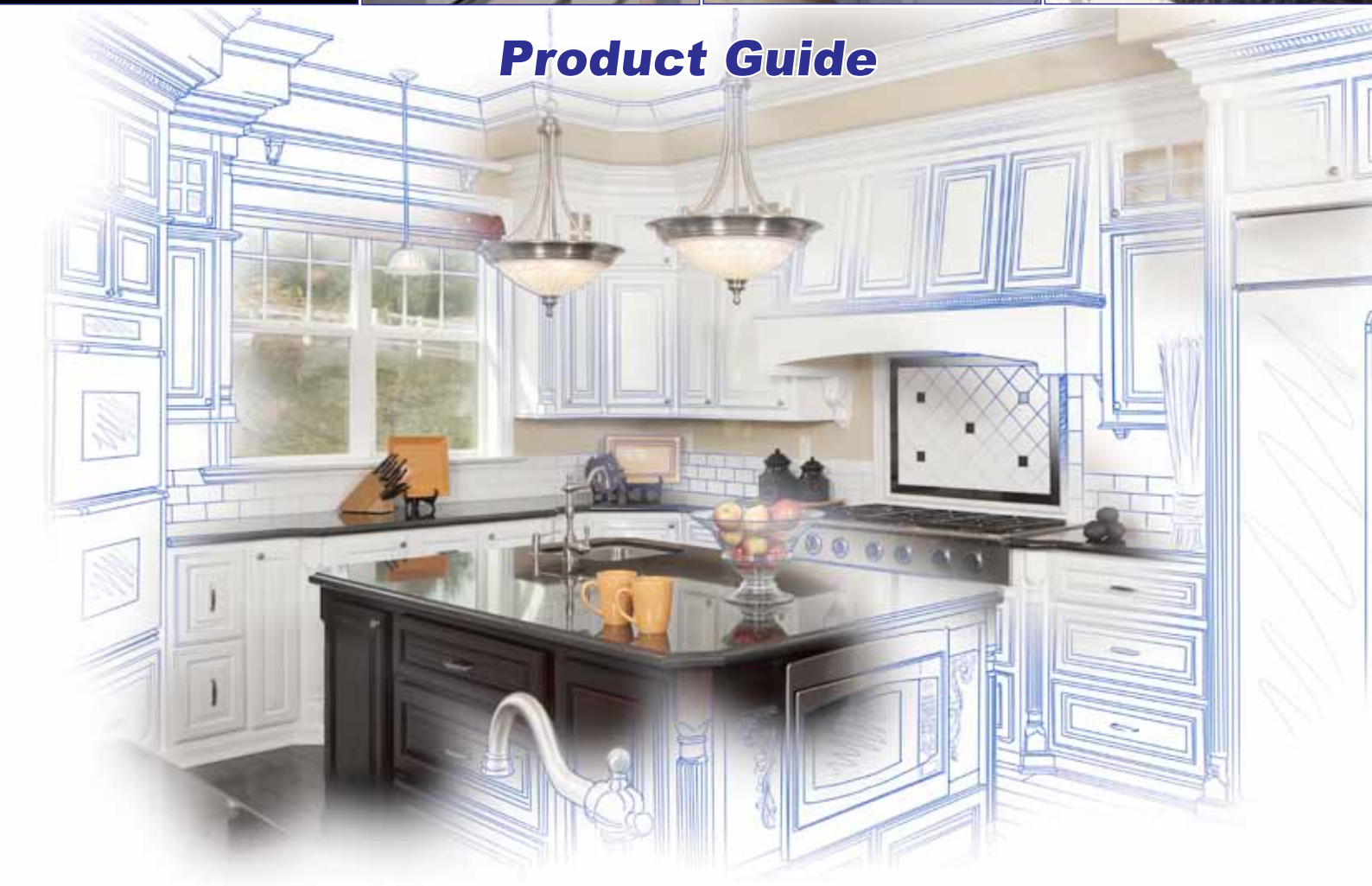


Schneider Worktops



Product Guide



Discover our natural world of worktops

Family business since 1930

valid from August 2026



NATURAL STONE IS OUR **PASSION**



For more than 90 years, this passion has inspired us to create high-quality and distinctive products.

Over time, we have added a range of related, classic, elegant and contemporary materials to our product portfolio. We consistently use only the finest raw materials for our worktops.

Experience the luxury of your new dream kitchen - defined by a unique piece made exclusively for you by Ludwig Schneider AG.

Here, people create worktops for people who place the highest value on first-class workmanship.

To help you make the right decision, please read this brochure carefully so that you are fully informed about product-specific and material-specific characteristics. The following information expressly forms an integral part of your purchase contract.

Natural stone is not only timeless and always unique; it also offers practical benefits such as durability, easy cleaning and heat resistance.



Notice on the Binding Language Version

This product passport was originally prepared in German. Only the German version is legally binding and forms part of the respective purchase contract.

The English and French versions are provided solely for information and to facilitate understanding. They were created with the assistance of artificial intelligence and, despite careful review, may contain translation, interpretation or transcription errors.

In the event of any discrepancy, ambiguity or contradiction between the German version and a translation, the original German version shall prevail. No additional rights or claims may be derived from the translated versions.

Special-order materials

◆ Materials that are not part of our range can be ordered at the customer's express request. Please note that Ludwig Schneider AG cannot provide a reliable assessment of their specific properties or hardness.

▷ As special-order materials are not part of our regularly technically assessed standard range, no binding classification of hardness, resistance or other performance characteristics can be made without complete manufacturer documentation and, where necessary, additional testing. ▷ As the requested material is not a permanent part of the Ludwig Schneider AG range, the customer must be aware of possible material variations. Reference can only be made to generally applicable material properties; for porcelain stoneware, to the specific properties of ceramic and Dekton, and to the respective current explanations of finishes. An exact assessment of special-order materials is not possible.

▷ For materials ordered at the customer's request, it is not possible to select from several slabs.

▷ The required silicone colour must be selected or ordered through the sales adviser. Otherwise, the customer agrees to the colour selected by Ludwig Schneider AG.



Material availability

◆ We, Ludwig Schneider AG, make every effort to keep the materials listed in this Product Guide permanently in stock. Unfortunately, this is not always possible due to short-notice range changes by ceramic manufacturers or supply shortages from natural stone suppliers.

▷ Please therefore ask your sales adviser whether your chosen material is available/can be produced in the required finish and specification.

Available sizes and thicknesses:

- ♦ Ludwig Schneider AG worktops are available in solid thicknesses of 20 mm, 30 mm and 40 mm, and with a mitred built-up edge up to 100 mm. - Available material thicknesses can be found in the material directory.
- Worktops with a built-up edge are available in all materials.
- ♦ The actual material thickness may vary between different slabs or slab batches by up to ± 3 mm from the nominal thickness. Separate, tighter tolerances apply to thickness variations within a finished individual slab and to height differences at worktop joints.
- ♦ The maximum production dimensions for all natural stone designs are:
 - From a material thickness of 30 mm: 3000 x 1350 mm.

The production dimensions depend on installation points 1.2.1 and 1.2.2 of Ludwig Schneider AG.

- ♦ All web widths, for example around hob or sink cut-outs, must be at least 50 mm.
- ♦ Bevel widths can be found in the Sales Manual and must be confirmed with your sales adviser. Bevel sizes vary according to material thickness, from 3 x 3 mm for 20 mm worktops up to 5 x 5 mm.
 - The tolerance for bevel dimensions is ± 1 mm.
 - Different bevel dimensions or bevels below 2 mm are not technically feasible.
- ♦ Splashbacks and wall upstands are available in all designs. - Splashbacks are generally supplied in a material thickness of 20 mm. - Wall upstands can be supplied in either 20 mm or 30 mm.
- ♦ Integrated table extensions can also be produced in the maximum dimensions stated above and supplied with the worktop.

Origin and provenance

- ♦ Natural stone is a type of rock that takes thousands of years to develop its distinctive shape, colour and structure.
- ♦ The countries of origin of your chosen material can be found in the Sales Manual held by your sales adviser.

Properties of natural stone:

- ◆ Natural stone is characterised by its natural colour variations and reflective effects.
- ◆ Natural stone generally has high heat resistance. Nevertheless, hot pots, pans and baking trays must not be placed directly on the worktop, as localised heat, heat build-up or thermal shock may damage the stone, surface treatment, adhesive bonds or joints. Always use a suitable heat-resistant mat or trivet.
- ◆ Every slab offers a unique and individual appearance and tactile character.

Available finishes:

- ◆ Natural stone is available in up to four different finishes.
 - The available finishes can be found in the material directory.

Cleaning

- ◆ The cleaning effort also depends on the selected finish and is explained in the finish and cleaning information. As a general rule: the rougher and more matt the surface, the more time cleaning will require. The surface should be cleaned after every use. An explanatory video on cleaning and correct use is available on our website and on YouTube.
- ◆ Detailed information on the correct use of natural stone can be found in the instructions for use.

Impregnation

- ◆ Depending on the material, all surfaces are factory resin-treated and impregnated with products approved for food-contact use.

Important information:

- ◆ All information below is based solely on our experience, as each raw block may have slightly different properties. We therefore generally recommend personally selecting your own slab for the worktop from our warehouse.

Instructions video

<https://www.l-schneider-ag.de/arbeitsplatten/mediathek/>

Finish and cleaning information:

- ◆ When selecting a surface finish, several factors should be considered.

The most important decision criteria range from appearance and tactile feel to care and cleaning.

polished

- ◆ high-gloss - reflective - smooth - daily cleaning sufficient

The gloss is achieved through approximately eight grinding and polishing stages, from coarse to the finest grit. Differences in the gloss level of individual crystals are to be expected depending on the type of stone. Both the structure and colour are displayed to optimum effect.

→ Cleaning is best carried out using the care set, consisting of worktop cleaner, natural stone care product and a microfibre cloth specially designed for granite. Please note: the natural stone care product should be applied thoroughly once a week, as shown in the instructions video.

matt honed

- ◆ matt sheen - smooth - the matt sheen may change significantly if the surface is not used correctly. Depending on the material, grinding marks may be visible. Fingerprints are generally clearly visible. The colour differs from the polished base colour. The matt finish is achieved through approximately six grinding stages, from coarse to fine grit.

→ To avoid a patchy appearance caused by the enlarged surface, we recommend cleaning immediately with the worktop cleaner after soiling. In addition, the natural stone care product should be applied thoroughly once a week, as shown in the instructions video.

antique

- ◆ antique (rough - strongly textured) - thorough daily cleaning required! A natural, irregular antique appearance is achieved by flaming/sandblasting followed by diamond brushing of the surface. The colour differs from the polished base colour.

→ As this is an open and enlarged surface, thorough daily cleaning is essential. Otherwise there is a risk that dirt particles will settle in the surface over time. Incorrect cleaning increases the risk of rubbing particles firmly into the worktop. To prevent this, we recommend daily cleaning, ideally with the care set consisting of worktop cleaner, natural stone care product and a microfibre cloth specially designed for granite. Please note: the natural stone care product only needs to be applied thoroughly once a week, as shown in the instructions video.

leather finish

- ♦ slightly rough - lightly textured - daily cleaning required

A leather-like texture is achieved by grinding and then diamond brushing the surface. Processing marks may be visible. Variations in gloss, including within a single slab, cannot be ruled out. Fingerprints may be visible. The colour differs from the polished base colour.

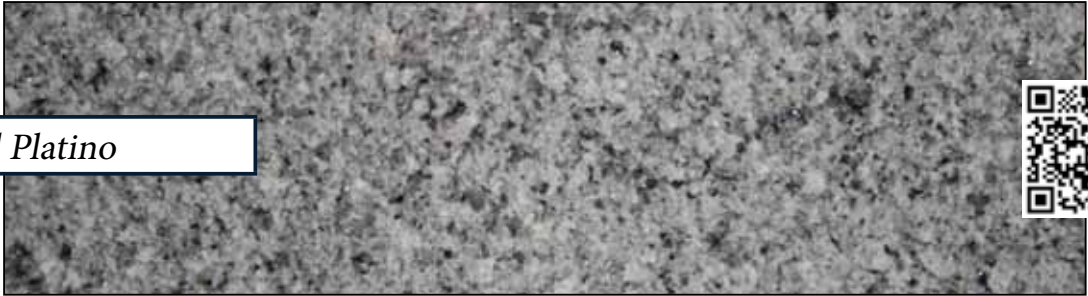
→ Due to the manufacturing process, this is a partially closed yet enlarged surface. Because of the slightly rough feel, we recommend immediate cleaning with the worktop cleaner after soiling. In addition, the natural stone care product should be applied thoroughly once a week, as shown in the instructions video.

Specific properties

- ♦ Cleaning requirements do not depend solely on the selected finish. As a general rule, the rougher the surface, the greater the cleaning effort. The properties of the different materials vary because of the way they are formed and must therefore be considered separately.
- ♦ We therefore explain the characteristics of the different materials in relation to open porosity, cut resistance and the need for professional maintenance. The properties are divided into:
 - ▷ optimum - Hard stones which, apart from a food-safe impregnation treatment, do not require factory treatment. Inclusions and pore spaces may be present in accordance with the material's natural characteristics. The materials are cut-resistant when used in accordance with the instructions. Re-impregnation is recommended at longer intervals. Cleaning in accordance with the finish information and instructions for use is sufficient.
 - ▷ normal - Natural stones for which additional treatment may be applied to optimise the material properties, as inclusions and pore spaces may be present in accordance with the material's natural characteristics. On treated surfaces, small pore spaces are closed and slight shading is concealed. Materials containing pyrite have a greater number of visible pore spaces. Micropores cannot be completely sealed. These materials are also impregnated with products approved for food-contact use. Refreshing the impregnation at regular intervals is recommended. The materials are cut-resistant when used in accordance with the instructions. Cleaning in accordance with the finish information and instructions for use is sufficient.
 - ▷ functional - Hard stones which, in addition to food-safe impregnation, receive treatment to optimise their material properties. Although these materials are very hard, they may contain tiny surface pits. Inclusions, pore spaces and similar natural features may be present in accordance with the material characteristics. On treated surfaces, pore spaces are closed and slight shading is concealed. Complete sealing of micropores and tiny surface pits is not always possible. Refreshing the impregnation at regular intervals is recommended. The material are cut-resistant when used in accordance with the instructions. Cleaning in accordance with the finish information and instructions for use is sufficient.
- ♦ Further material- and design-specific properties, variations, available visible edges, planning requirements and process information can be found on our website or via the QR code on the sample.

fine-grained materials

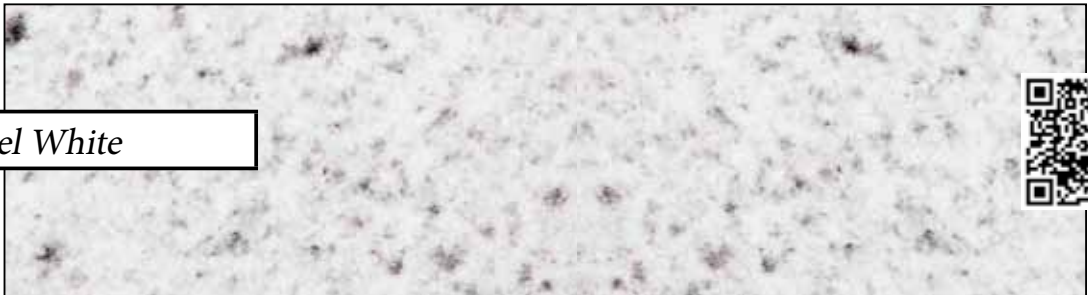
Azul Platino



Bianco Christall



Bethel White



Caffee Imperiale

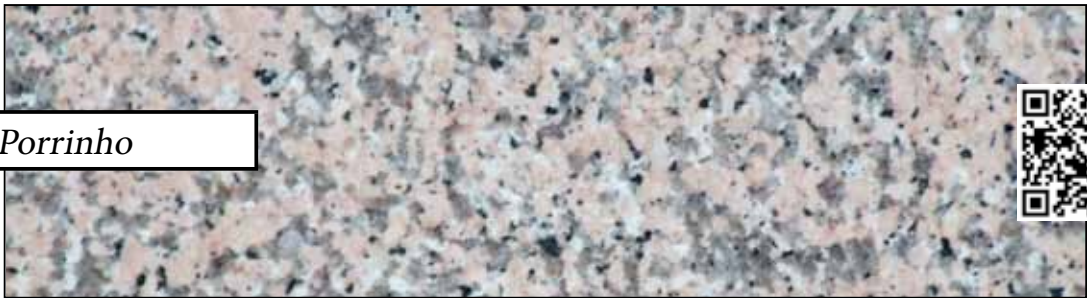


Rosa Beta



fine-grained materials

Rosa Porrinho



Rosso Balmoral



fine-grained materials with veining

Imperial White



coarse-grained materials

Rosa Sardo



Baltic Brown



Bianco Sardo



Blue in the Night



Coffee Brown



coarse-grained materials

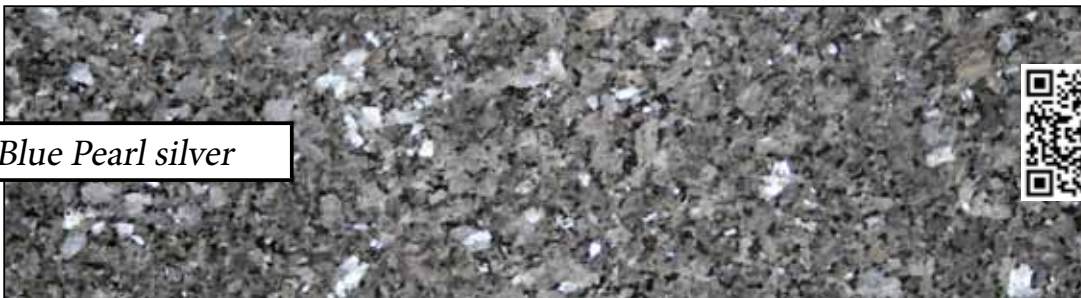
Crema Julia



Giallo Veneziano Classico



Labrador Blue Pearl silver



Labrador Emmerald Pearl



Nero Assoluto platinum



coarse-grained materials

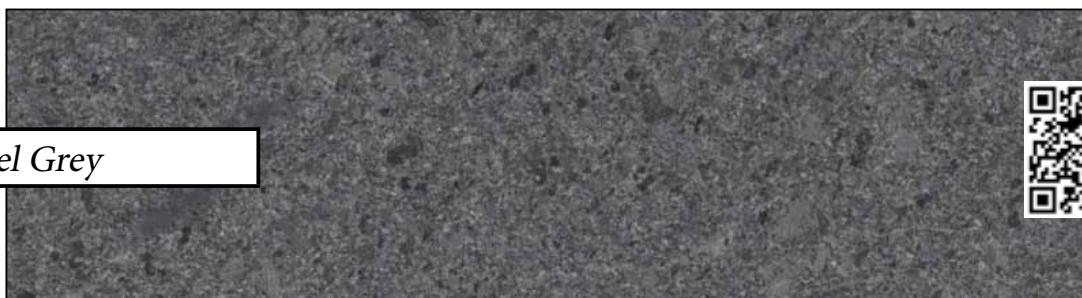
Saphire Brown



Serizzo

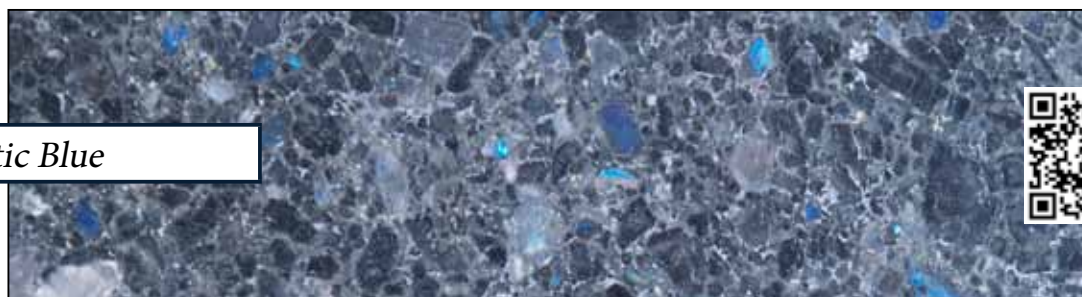


Steel Grey



highly coarse-grained materials

Artic Blue

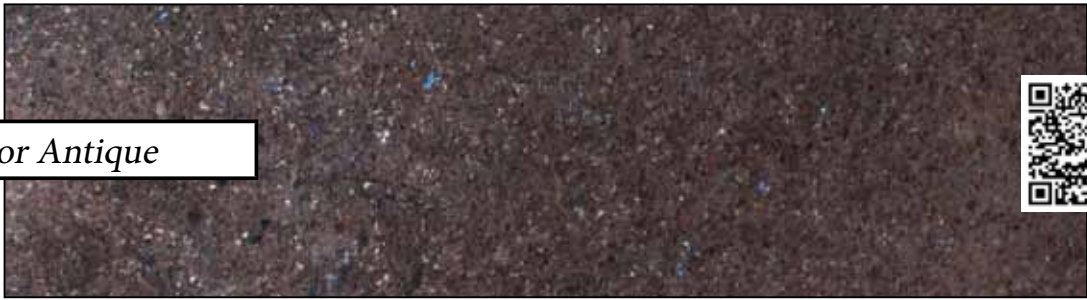


Galactica Blue



highly coarse-grained materials

Labrador Antique



Marinace Black



Zermatter Gletscherstein

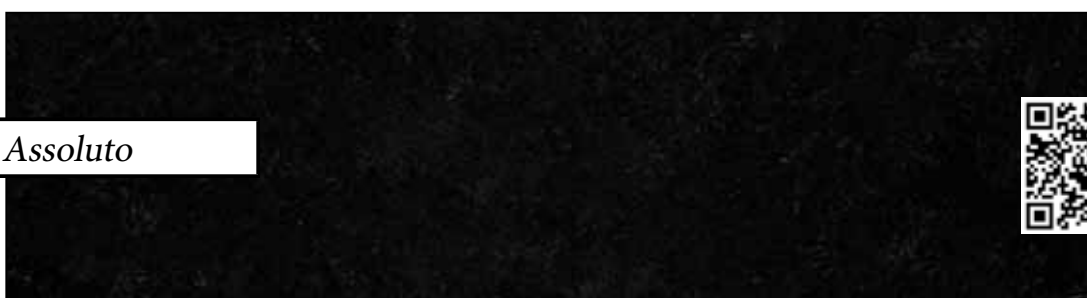


uniform materials

Nero Impala



Nero Assoluto



Materials with reflective effects (pyrite)

Nero Star Galaxy Gold



Nero Star Galaxy Silver



Nero Impala Bronzetto



varied materials

Brown Silk

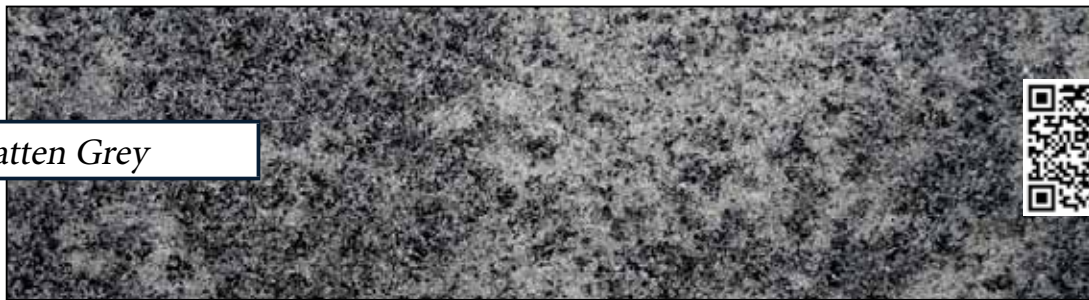


Black Forest



varied materials

Manhattan Grey



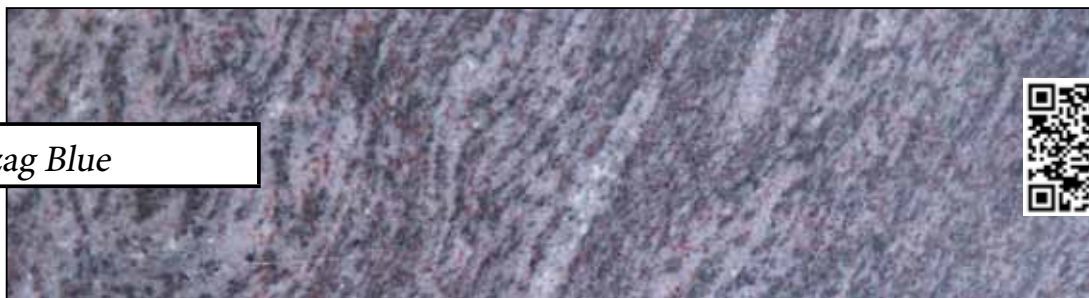
Multicolor Rot



Nero Stellaris



Vizag Blue



Verde Eucalyptho



highly varied materials

American Black



Black Cosmic



Black Cosmic New



Indian Aurora



Ivory Brown



highly varied materials

Juparana Colombo



Kashmir Gold



Mont Blanc



Paradiso Classico

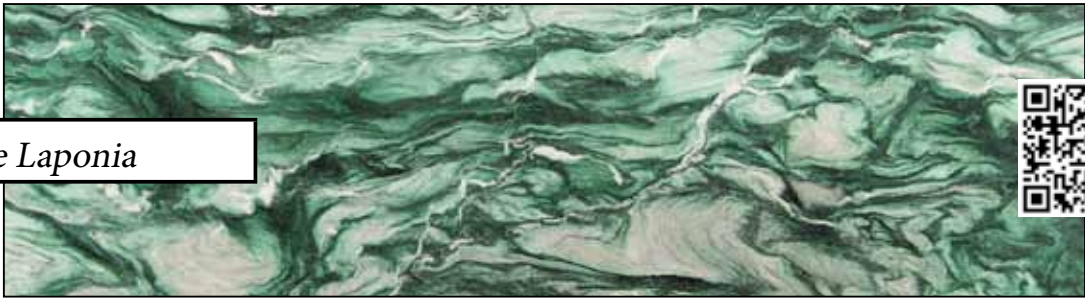


Taj Mahal

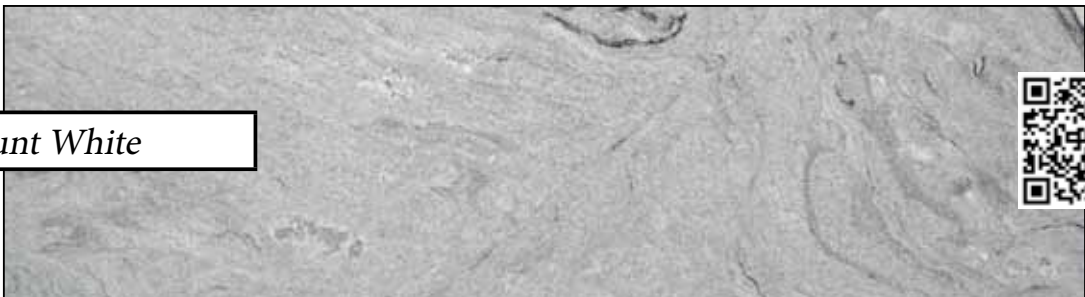


highly varied materials

Verde Laponia



Viscount White



Via Lattea



Alps Glitter





Material name	Item No.	Available finishes			Silicone colour	Available material thicknesses			Specific property
		pol-ished	an-tique	leather		2 cm	3 cm	4 cm	
Alpenpannonia	197	x		x	anthracite	x	x		functional
Alps Glitter	113	x		x	sanitary grey	x	x		functional
American Black	686	x		x	anthracite		x	x	optimum
Artic Blue	647	x			anthracite		x		normal
Azul Platino	601	x			sanitary grey	x	x	x	optimum
Baltic Brown	602	x			bahama		x	x	normal
Bavarian Granite "Blue"	103	x		x	sanitary grey		x		optimum
Bavarian Granite "Yellow"	102	x		x	bahama		x		normal
Bethel White	652	x		x	light grey	x	x		optimum
Bianco Cristall	655	x			light grey		x	x	optimum
Bianco Sardo	603	x			sanitary grey	x	x	x	optimum
Black Cosmic	110	x		x	black		x		functional
Black Forest	753	x			anthracite		x		normal
Blue in the Night	687	x		x	black	x	x	x	normal
Brown Silk	711	x		x	anthracite		x	x	functional
Caffee Imperiale	111	x		x	anthracite		x		normal
Coffee Brown	763	x		x	anthracite		x	x	normal
Crema Julia	653	x			sanitary grey		x	x	optimum
Galactica Blue	710	x			anthracite		x		functional
Giallo Veneziano Classico	628	x		x	bahama		x	x	functional
Imperial White	629	x			light grey		x	x	normal
Indian Aurora	634	x			anthracite		x	x	normal
Infinity Brown	120			x	anthracite	x			functional
Ivory Brown	614	x	x	x	bahama		x	x	optimum
Juparana Colombo	615	x		x	sanitary grey		x	x	functional
Kashmir Gold	658	x		x	sanitary grey		x	x	functional
Labrador Antique	693	x			anthracite		x		normal
Labrador Blue Pearl silver	630	x			anthracite	x	x	x	normal
Labrador Blue Pearl GT	600	x			anthracite		x		normal
Labrador Emmerald Pearl	631	x			black		x	x	normal

Material name	Item No.	Available finishes			Silicone colour	Available material thicknesses			Specific property
		pol-ished	an-tique	leather		2 cm	3 cm	4 cm	
Manhattan Grey	766	x		x	anthracite		x	x	functional
Marinace Black	737	x			anthracite		x	x	functional
Multicolor Rot	618	x			anthracite		x	x	functional
Mont Blanc	135	x			cream	x			functional
Nero Angola	751	x			black		x	x	normal
Nero Assoluto	619	x	x	x	black	x	x	x	normal
Nero Assoluto Platinum	199	x			black	x	x	x	normal
Nero Impala	620	x		x	anthracite	x	x	x	optimum
Nero Impala Bronzetto	139	x			anthracite	x	x		normal
Nero Stellaris	709	x		x	anthracite	x	x	x	functional
Nero Star Galaxy Gold	632	x		x	black	x	x	x	normal
Nero Star Galaxy Silver	688	x			black	x	x	x	normal
Paradiso Classico	621	x			anthracite		x		functional
Rosa Beta	607	x			sanitary grey	x	x	x	optimum
Rosa Porrinho	608	x			sanitary grey		x	x	optimum
Rosa Sardo	609	x			sanitary grey	x	x	x	optimum
Rosso Balmoral	610	x			anthracite	x	x	x	normal
Sapphire Brown	677	x		x	sanitary grey	x	x	x	functional
Serizzo	611	x			sanitary grey		x	x	functional
Splendid	140	x			sanitary grey	x			functional
Steel Grey	676	x		x	anthracite	x	x	x	optimum
Taj Mahal	141	x		x	sanitary grey		x		functional
Tan Brown	754	x			anthracite		x	x	normal
Verde Eucalypto	657	x			sanitary grey		x	x	normal
Verde Laponia	713	x			anthracite		x		functional
Verde Maritaca	626	x	x		sanitary grey		x	x	normal
Via Lattea	738	x			anthracite		x	x	normal
Viscount White	752	x			light grey		x	x	normal
Vizag Blue	627	x			anthracite		x	x	normal
Zermatter Gletscherstein	198	x		x	sanitary grey	x	x		normal

Instructions for use

To ensure that you enjoy your Ludwig Schneider AG worktop for many years, we would like to provide a number of helpful instructions for use and cleaning. Cutting directly on our natural stone surfaces is generally possible. To prevent knives from becoming blunt, however, we recommend using a chopping board. Cutting directly with metal knives may leave metal abrasion on the worktop. This can be removed with a standard eraser. We advise against cutting directly on the worktop with ceramic knives. Using meat tenderisers or similar tools directly on the worktop may, because of the concentrated force on a small area, cause damage or chipping. We strongly advise against this. The same applies to placing heavy pots, bottles or similar items abruptly or forcefully directly on an edge, on the worktop surface or in a narrow web area. Do not sit or stand on the worktop, as excessive localised force may cause breakage. To avoid damaging the structure of the worktop, we recommend not placing hot objects directly on the surface. In theory, even placing the tip of a knife under a hot pot may help prevent heat damage. Nevertheless, we generally recommend using a suitable heat-resistant mat or trivet. Always ensure that hot pots are stable. If hot fat comes into contact with the worktop, clean it immediately. Stains caused by incorrect cleaning usually remain permanently visible.

Cleaning:

To preserve the gloss and surface for as long as possible, we recommend cleaning immediately after every use. Grease, flour, meat juices and fruit residues in particular should be removed without delay. We also recommend a final daily clean. As ordinary washing-up sponges and cloths are not completely free of dirt after daily use, please use them only for preliminary cleaning of the worktop. For proper final cleaning, use the worktop cleaner supplied with the worktop. It is highly concentrated; 2-3 sprays per m² are sufficient. The Ludwig Schneider AG microfibre cloth is ideal for cleaning the worktop. Apply light pressure and wipe in one direction to remove residues easily. Do not use fabric softener when washing the microfibre cloth, as it coats the fibres and prevents effective cleaning. As stone is a natural product, strongly acidic cleaners and aggressive chemicals such as oven and drain cleaners, bleach, ammonia, concentrated vinegar, citric acid or products with a pH above 10 must be avoided, as they may attack the surface. To prevent damage to the natural stone, do not use abrasive tools. To avoid grease stains in the stone, we recommend storing oils in glass bottles and not leaving greasy substances or foods on the worktop.

Pore spaces and inclusions are fundamental characteristics of natural stone, regardless of the selected finish. Stone pores are as natural as pores in human skin; depending on the type of stone (see also Specific properties), they may be larger or smaller.

Without correct cleaning, there is a risk that, over time, dirt particles will settle in the pore spaces or inclusions. By following these instructions, you will delay the natural patination process; normal signs of use will nevertheless develop.

Only a worktop that is never used will continue to look exactly as it did on the day of installation.



Ordering care products

Item No.	Description	Euro	Unit
SRS	Schneider cleaning set - consisting of 2 x worktop cleaner and 1 x microfibre cloth	53	each
SAFL	Schneider worktop cleaner	21	each
MIK	Schneider microfibre cloth	12	each
SPS	Schneider care set - consisting of 1 x worktop cleaner, 1 x natural stone care product and 1 x microfibre cloth	75	each
SNPF	Schneider natural stone care product	48	each

Please send orders for care products to:

info.markneukirchen@L-Schneider-AG.de

or

by fax to: 037422/ 40 22 - 10

Material properties

A defining characteristic of natural stone is that every stone has a different surface structure in terms of porosity and gloss level.

A particularly distinctive feature is the range of minerals from which natural stone is formed. Under certain lighting conditions, different reflective effects, inclusions or colour variations become visible.

Every natural stone is therefore unique and never completely uniform.

Frequent or prolonged exposure to UV radiation may, in some circumstances, cause slight changes in the colour of the stone. Inclusions, pores and irregularities may also become more visible in certain light. Due to the surface treatment, this is particularly noticeable in materials containing mineral inclusions, such as pyrite.

Information on samples and illustrations:

Stone samples, for example those displayed in showrooms, are non-binding and show only the general character of the material. They can never represent every variation and characteristic in colour, structure and finish. Natural stone is a natural material, and variations in colour, structure and finish must therefore always be expected. The diversity of nature means that the finished worktop will always look different from a small sample. Natural stone is characterised by a wide variety of veining and colour patterns, pores and pore spaces, inclusions and small pits. Please also refer to our non-binding assessment of the material characteristics, structure, grain and uniformity of the different materials, together with the specific properties and finish information. This Product Guide mainly shows polished natural stone surfaces. Other finishes may differ significantly from these illustrations, particularly in terms of colour depth.

We give every customer the opportunity to personally select a specific slab, with its final surface finish, from our warehouse. The individually selected slab will then be used for the worktop.

This enables the natural product selected by the customer to be manufactured and supplied with the properties best suited to their requirements.

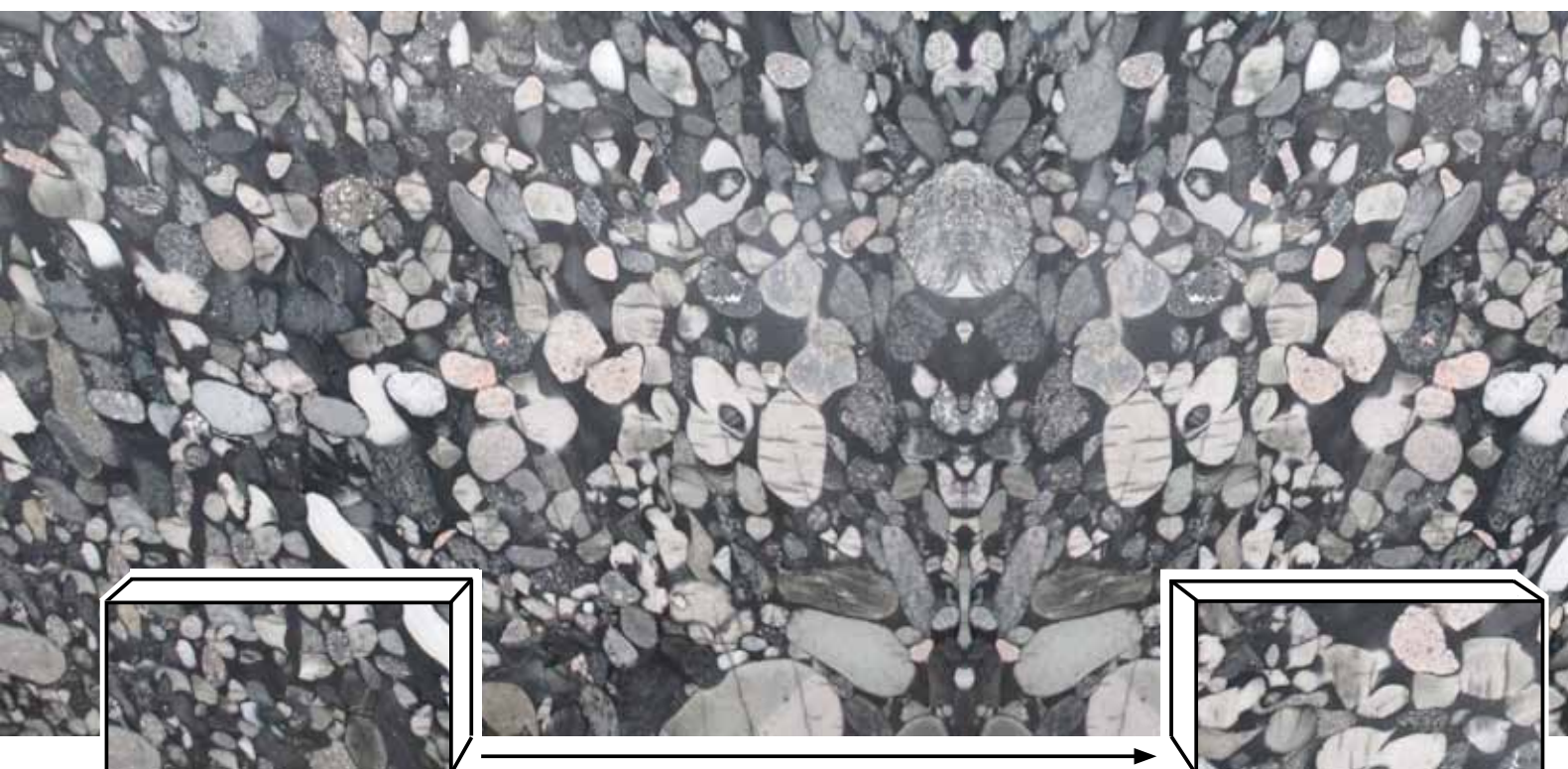
The customer may, of course, combine the selection with a factory tour. We will also be pleased to advise them on the material properties and the next stages of the process.

Alternatively, a photograph of the selected slab can be sent in advance on request. Please note that photographs are non-binding because screen settings, print settings, overexposure and underexposure may affect their appearance.

Our internal sales team will be pleased to answer any questions about material selection, including by telephone.

The identifying features, specific properties and information on stone samples described or shown in this Product Guide are fundamental characteristics of natural stone and therefore do not constitute defects.

Further material- and design-specific properties can be found on our website
or via the QR code on the sample.



♦ To illustrate the variations in hand samples (see also pages 57 and 69)

Example of highly coarse-grained materials

Available sizes and thicknesses:

- ♦ Ludwig Schneider AG worktops are available in solid thicknesses of 12 mm, 20 mm and 30 mm, and with a mitred built-up edge up to 100 mm.
 - Available material thicknesses can be found in the material directory.
 - Worktops with a built-up edge are available in all materials.
- ♦ The actual material thickness may vary between different slabs or production batches. Within a finished individual slab and at worktop joints, the applicable tighter tolerances under AMK Information Sheet 010, BIV Information Sheet 2.02 and the respective manufacturer's specifications apply.
- ♦ The maximum production dimensions for all ceramic and Dekton designs are 3000 x 1450 mm. Production dimensions depend on Ludwig Schneider AG installation points 1.2.1 and 1.2.2.
- ♦ All web widths, for example around hob or sink cut-outs, must be at least 50 mm.
- ♦ Bevel widths can be found in the Sales Manual and must be confirmed with your sales adviser. Bevel sizes vary according to material thickness, from 3 x 3 mm for 12 mm worktops up to 5 x 5 mm.
 - The tolerance for bevel dimensions is +/- 1 mm.
 - Different bevel dimensions or bevels below 2 mm are not technically feasible.
- ♦ Splashbacks and wall upstands are available in all designs. - The material thickness of splashbacks and wall upstands is determined by the thickness of the worktop base material.
 - Different thicknesses must be discussed with and ordered through your sales adviser.
- ♦ Integrated table extensions can also be produced in the maximum dimensions stated above and supplied with the worktop.

Manufacturing process

- ♦ Ceramic has a composition similar to granite, but is artificially fired under pressure and at high temperatures.
- ♦ A wide range of high-quality raw materials forms the basis of the material, which is created by firing at high temperatures.

Available finishes:

- ♦ Ceramic is available in up to four different finishes.
 - The available finishes can be found in the material directory.

Properties of ceramic:

- ◆ Unpolished ceramic surfaces generally have high scratch and abrasion resistance. Polished, glass-coated or otherwise enhanced surfaces may be considerably more susceptible to scratches.
- ◆ Ceramic withstands hot pots and splashing water well. However, sudden thermal shock must be avoided, as it may cause stress cracks.
- ◆ Ceramic worktops are abrasion-resistant.
- ◆ Many unpolished ceramic surfaces have high chemical resistance. For polished, glass-coated, printed or otherwise enhanced surfaces, different manufacturer instructions may apply. Aggressive, highly concentrated or non-approved cleaning agents must be avoided.
- ◆ Ceramic worktops generally have very low water absorption. However, polished, lightly ground or specially enhanced surfaces may contain open pores or have altered surface properties. The relevant manufacturer's instructions are authoritative. Impregnation is normally not required for untreated, closed surfaces; special finishes may be subject to different instructions.

Cleaning

- ◆ The cleaning effort also depends on the selected finish and is explained in the finish and cleaning information. As a general rule: The rougher the surface, the more time cleaning will require. The surface should be cleaned after every use. An explanatory video on cleaning and correct use is available on our website and on YouTube.
- ◆ Detailed information on the correct use of ceramic, Dekton and porcelain stoneware can be found in the instructions for use.

Impregnation

- ◆ As ceramic surfaces do not absorb liquids, no impregnation is required.

Important information:

- ◆ All information below is based solely on our experience, as Each slab may have slightly different properties. We therefore generally recommend personally selecting your own slab for the worktop from our warehouse.

Instructions video

<https://www.l-schneider-ag.de/arbeitsplatten/mediathek/>

Finish and cleaning information:

- ◆ When selecting a surface finish, several factors should be considered.

*The most important decision criteria range from appearance
from tactile feel to care and cleaning*

polished

- ◆ high-gloss - reflective - smooth - daily cleaning sufficient

Pores created during firing and pressing are opened by the polishing process. Grinding marks may be visible.

→ Cleaning is best carried out using the cleaning set, consisting of worktop cleaner and a microfibre cloth specially designed for ceramic.

satin

- ◆ matt sheen - smooth - daily cleaning sufficient

Production-related waves may be visible in glancing light.

→ Cleaning is best carried out using the cleaning set, consisting of worktop cleaner and a microfibre cloth specially designed for ceramic.

antique

- ◆ rough - strongly textured - thorough daily cleaning required! The fired surface texture and roughness vary as a result of the production process and are characteristic of the product.

→ As this is a rough surface, thorough daily cleaning is essential. Otherwise, there is a risk that dirt particles will settle in the surface over time. Incorrect cleaning increases the risk of rubbing particles firmly into the worktop. To prevent this, we recommend daily cleaning, ideally using the cleaning set consisting of worktop cleaner and a microfibre cloth specially designed for ceramic.

leather finish

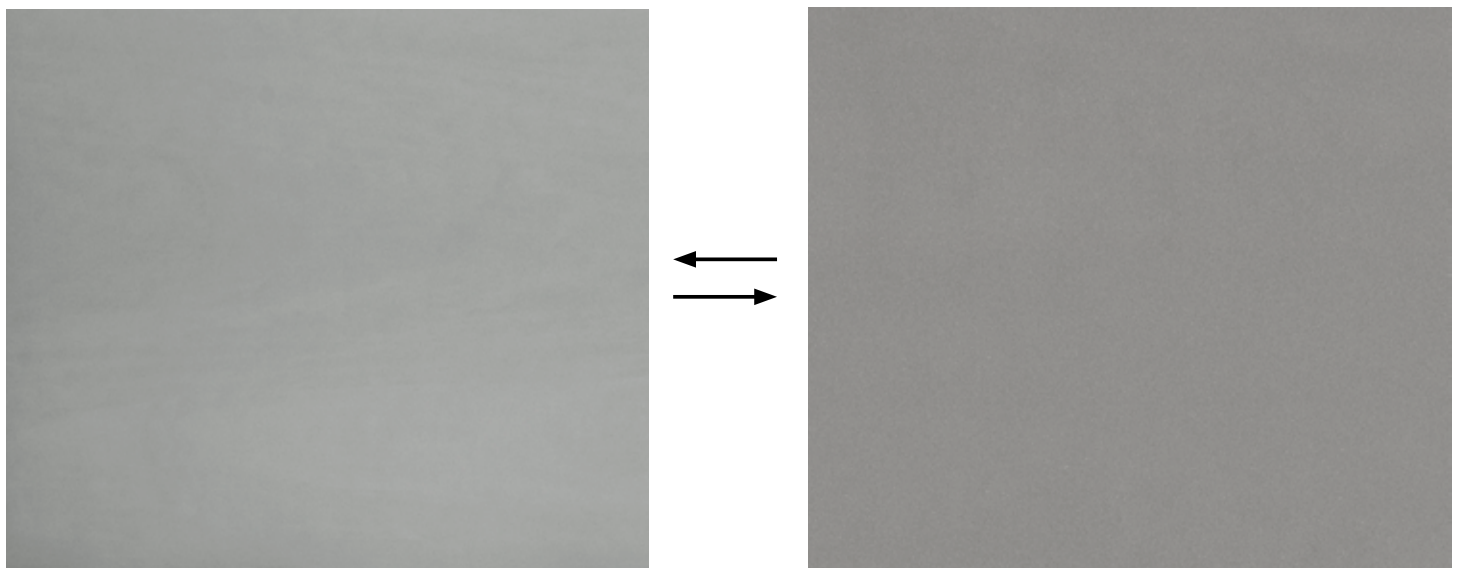
- ◆ slightly rough - lightly textured - daily cleaning required

The fired surface texture and roughness vary as a result of the production process and are characteristic of the product.

→ Because of the slightly rough feel, we recommend immediate cleaning after soiling, ideally using the cleaning set consisting of worktop cleaner and a microfibre cloth specially designed for ceramic.

Specific properties

- ◆ Cleaning requirements do not depend solely on the selected finish. As a general rule, the rougher the surface, the greater the cleaning effort.
- ◆ The properties of ceramic (porcelain stoneware) vary because of the manufacturing process. We therefore explain below various characteristics of ceramics from different manufacturers:
 - ▷ polished - At Neolith, Dekton and other porcelain stoneware manufacturers, polished surfaces are usually enhanced with a very thin glass coating or similar treatment to achieve a polished effect. Materials produced in this way are susceptible to scratching. Always use a chopping board when cutting.
 - ▷ Edge colour - Ceramic is a material fired under pressure. The colour of the selected design is present only on the surface. With a bevelled edge, the edge colour will differ from the surface colour.
 - ▷ Colour patterns - Differences in colour patterns at worktop joints cannot be avoided, even with ceramic manufacturers such as Neolith and Dekton.
 - Highly varied materials may also display different or changing colour patterns within a single slab.
 - ▷ Pigments - Isolated pigments of a different colour may be visible within the surface.
 - In materials marked as containing pigments, these may be more frequently visible.
 - ▷ Pore spaces - Pore spaces are fundamental characteristics of ceramic and Dekton, regardless of the selected finish. Without correct cleaning, there is a risk that dirt particles will settle in the surface over time.
 - ▷ Surfaces - Due to different manufacturing processes, surface characteristics may vary between materials.
 - ▷ Colour - Ceramic and Dekton are characterised by slight colour differences within individual designs. These are particularly noticeable in solid-colour designs and between different material thicknesses.
- ◆ Further material- and design-specific properties, particularly those relating to visible edges, can be found on our website or via the QR code on the sample.



◆ To illustrate colour variations within a design; material example: Cement

solid-colour materials

Avorio



Barro



Cement



Nero 2024



Pietra di Luna



solid-colour materials

Pietra di Osso



highly varied materials

Pietra di Piombo



Pietra di Luna - example of solid-colour materials

textured materials with pigments

New York - New York



Phedra



solid-colour materials with pigments

Arctic White



Jast White





Mar del Plata - example of highly varied materials
and the continuation of the veining at
mitred built-up edges

textured materials

Arena



Concrete



Iron Frost



Basaltblack



Basalt Black_tec



textured materials

Basaltgrey



Black Slate / Ama Black



Nero Zimbabwe



Thar



varied materials

Aspen Grey



varied materials

Bianco Lasa



Iron Grey



Iron Copper



Mirage



Salina Ivory_tec



highly varied materials

Calacatta



Calacatta White_tec



Colossal Cream



Roma Bianco



Taj Mahal



highly varied materials

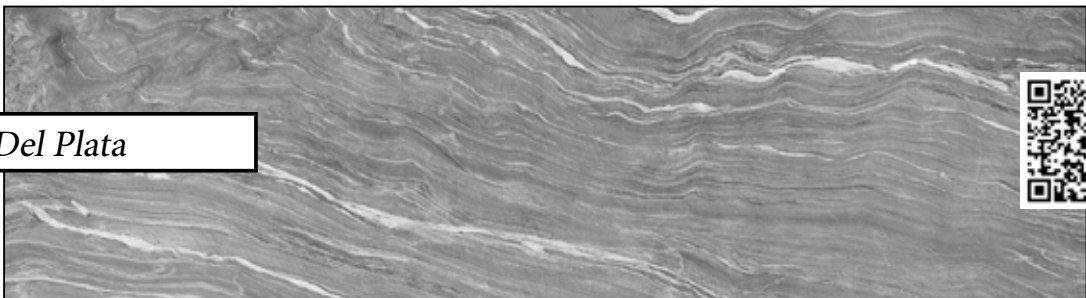
Estatuario



Iron Corten



Mar Del Plata



Mont Blanc



Neapel Calacatta Gold

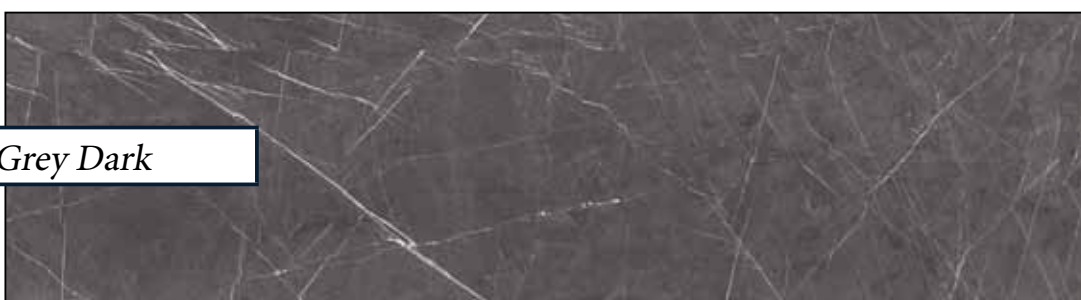


highly varied materials

Black Obsession



Pietra Grey Dark



Zarah's Stone



Pulpis



Sankt Laurent



Material name	Item No.	Available finishes				Silicone colour	Available material thicknesses		
		pol-ished	sat-in	an-tique	leather		1.2 cm	2 cm	3 cm
Arctic White	924				x	white	x	x	
Arena	925		x			bahama	x		
Aspen Grey	936				x	anthracite	x	x	
Barro	902		x			sanitary grey	x		
Basalt Black_tec	892				x	anthracite	x	x	
Basaltblack	904		x			anthracite	x	x	
Basaltgrey	905		x			anthracite	x		
Concrete	926			x	x	sanitary grey	x		
Bianco Lasa	896				x	cream	x	x	
Black Slate / Ama Black	990			x		anthracite	x	x	
Calacatta	940				x	cream	x	x	
Calacatta White					x	cream	x	x	
Cement	909		x			sanitary grey	x	x	
Colossal Cream	895				x	cream	x	x	
Estatuario	976				x	cream	x	x	
Iron Copper	911		x			anthracite	x		
Iron Corten	912		x			anthracite	x	x	
Iron Frost	934		x			cream	x		
Iron Grey	913		x			anthracite	x	x	
Jast White	960				x	cream	x	x	
Mar del Plata	964			x		sanitary grey	x		
Mont Blanc	965				x	cream	x		
Neapel Calacatta Gold	981				x	cream	x	x	
Nero 2024	916		x			anthracite	x	x	
Nero Zimbabwe	931			x		anthracite	x	x	
New York - New York	963				x	sanitary grey	x	x	
Phedra	932		x			light grey	x		
Pietra di Luna	933				x	sanitary grey	x	x	
Pietra di Osso	938				x	sanitary grey	x		
Pietra di Piombo	939				x	sanitary grey	x	x	
Pulpis	942				x	anthracite	x		
Roma Bianco / Calacatta Roma	984				x	cream	x	x	

Material name	Item No.	Available finishes				Silicone colour	Available material thicknesses		
		pol-ished	satin	an-tique	leather		1.2 cm	2 cm	3 cm
Salina Ivory_tec					x	cream	x	x	
Sankt Laurent	899				x	anthracite	x	x	
Sofia Cumprum	966				x	anthracite	x	x	
Taj Mahal	982	x			x	sanitary grey	x	x	
Zarha's Stone	949				x	sanitary grey	x	x	
Thar	897				x	bahama	x	x	
Pietra Grey Dark	994				x	anthracite	x		

Important:

Various ceramic materials are available with a polished finish. Scratching of this surface is to be expected. Scratches become visible more quickly on strong colours, especially black tones.

**Scratches on polished ceramic surfaces are a fundamental material characteristic.
and do not constitute grounds for complaint.**

solid-colour materials

Domoos



Galema

Zenith

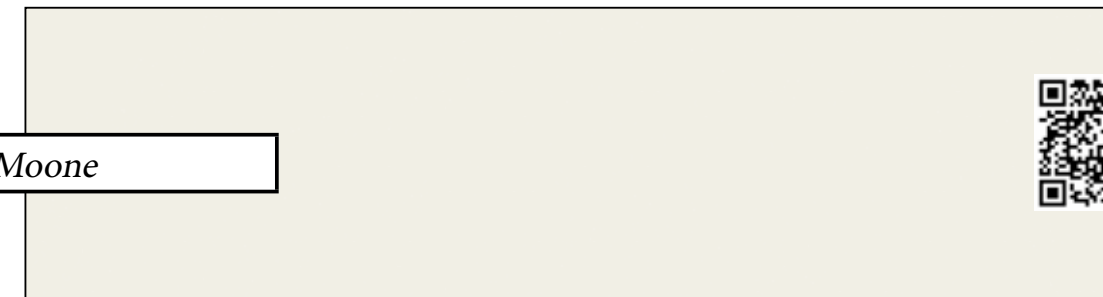
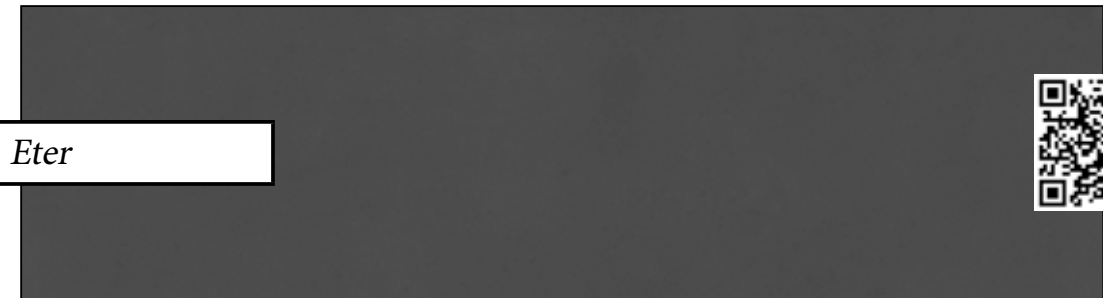


finely veined materials

Polar



lightly textured materials



Danae 12 mm - bevelled edge
Example of lightly textured materials

textured materials

Bromo



Kreta



Lunar



Sandik



heavily textured materials

Sirius



highly varied and strongly expressive materials

Kelya



Adia



Sirius 20 mm - bevelled visible edget

varied materials

Fossil



Laos



Nilium



Fossil 20 mm - bevelled edge
Example of varied materials

highly varied materials



Aura



Entzo



Mitred built-up edge
Example of highly varied materials

highly varied materials

Kira



Nebu



Kira 20 mm - bevelled edge
Example of highly varied materials

highly varied materials

Rem



Soke



Trevi



Trilium



solid-colour materials

Dunna



Halo



highly varied materials

Arga



Bergen



highly varied materials

Helena



Khalo



Natura



Taga



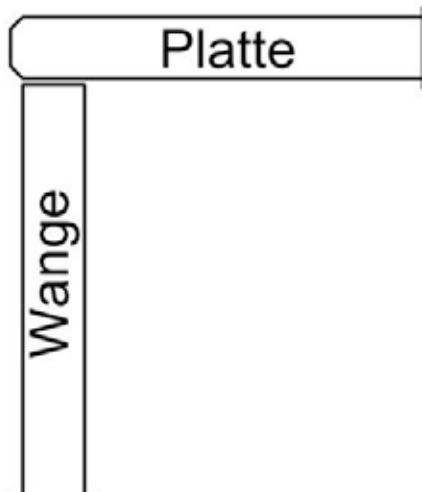
Material name	Item No.	Available finishes			Silicone colour	Available material thicknesses		
		pol- ished	an- tique	leather		1.2 cm	2 cm	3 cm
Adia	586			x	sanitary grey	x	x	
Aura	522			x	cream	x		
Albarium	599			x	cream	x	x	
Argentium	598			x	light grey	x	x	
Ava	585			x	sanitary grey	x	x	
Bromo	547		x		anthracite	x	x	
Ceppo	593			x	light grey	x	x	
Danae	524			x	bahama	x	x	
Domoos	525			x	anthracite	x	x	
Entzo	580			x	cream	x	x	
Eter	574			x	anthracite	x		
Grafite	591			x	anthracite	x	x	
Grigio	592			x	light grey	x	x	
Kairos	531			x	cream	x	x	
Kelya	533			x	anthracite	x	x	
Keon	532			x	sanitary grey	x	x	
Kira	563			x	anthracite	x	x	
Kreta	564			x	sanitary grey	x	x	
Laos	565			x	anthracite	x	x	
Laurent	526			x	anthracite	x	x	
Lunar	566			x	light grey	x	x	
Mamorio	590			x	cream	x	x	
Moone	588			x	cream	x	x	
Nacre	597		x		cream	x	x	
Nebu	584			x	cream	x	x	
Nebbia	595			x	light grey	x	x	
Nilium	567			x	light grey	x	x	
Opera	572			x	cream	x		
Polar	583			x	light grey	x	x	
REM	594			x	cream	x	x	
Sabbia	589			x	light grey	x	x	
Sandik	582			x	light grey	x	x	
Sirius	537		x		anthracite	x	x	
Soke	570			x	sanitary grey	x	x	
Trevi	581			x	sanitary grey	x	x	
Trilium	522			x	anthracite	x	x	
Zenith	587			x	cream	x	x	

Material name Dekton - XGloss	Item No.	Available finishes			Silicone colour	Available material thicknesses			Specific property
		pol- ished	an- tique	leather		1.2 cm	2 cm	3 cm	
Dunna	800	x			sanitary grey	x	x		scratch-sensitive
Malibu	801	x			cream	x	x		scratch-sensitive
Natura	803	x			cream	x	x		scratch-sensitive
Arga	804	x			sanitary grey	x	x		scratch-sensitive
Bergen	805	x			sanitary grey	x	x		scratch-sensitive
Halo	806	x			light grey	x	x		scratch-sensitive
Helena	807	x			light grey	x	x		scratch-sensitive
Khalo	808	x			sanitary grey	x	x		scratch-sensitive
Taga	809	x			sanitary grey	x	x		scratch-sensitive

Important:

Various Dekton materials are available with a polished finish (XGloss). Scratching of this surface is to be expected. Scratches become visible more quickly on strong colours, especially black tones.

Scratches on polished Dekton surfaces are a fundamental material characteristic and do not constitute grounds for complaint.



Kelya 20 mm - bevelled edge

Instructions for use

To ensure that you enjoy your Ludwig Schneider AG worktop for many years, we would like to provide a number of helpful instructions for use and care. Cutting directly on all of our ceramic surfaces, with the exception of polished finishes, is generally possible. To prevent knives from becoming blunt, however, we recommend using a chopping board. Cutting directly with metal knives may leave metal abrasion on the worktop. This can be removed with a standard eraser. We advise against cutting directly on the worktop with ceramic knives. Using meat tenderisers or similar tools directly on the worktop may, because of the concentrated force on a small area, cause damage or chipping. We strongly advise against this. The same applies to abruptly or forcefully placing or dropping heavy pots, bottles or similar items directly on an edge, on the worktop surface or in a narrow web area. Do not sit or stand on the worktop, as excessive localised force may cause breakage. To avoid damaging the structure of the worktop, we recommend not placing hot objects directly on the surface. In theory, even placing the tip of a knife under a hot pot may help prevent heat damage. Always ensure that hot pots are stable. We therefore generally recommend using a trivet or heat-resistant mat. If hot fat comes into contact with the worktop, clean it immediately.

Cleaning:

To preserve the gloss and surface, we recommend cleaning immediately after every use. Grease, flour, meat juices and fruit residues in particular should be removed without delay. We also recommend a final daily clean. As ordinary washing-up sponges and cloths are not completely free of dirt after daily use, completely free of dirt after daily use, please use them only for preliminary cleaning of the worktop. For proper final cleaning, use the use them only for preliminary cleaning. For proper final cleaning, use the worktop cleaner supplied to the end customer with the worktop. It is highly concentrated; 2-3 sprays per m² are sufficient. The Ludwig Schneider AG microfibre cloth is ideal for cleaning the worktop. Apply light pressure and wipe in one direction to remove residues easily. Do not use fabric softener when washing the microfibre cloth, as it coats the fibres and prevents effective cleaning. For ceramic materials, strongly acidic cleaners and aggressive chemicals such as oven and drain cleaners, bleach, ammonia, concentrated vinegar, citric acid or products with a pH above 10 must be avoided, as they may attack the surface. To prevent damage to the ceramic, do not use abrasive tools. Hand dishwashing detergents are also unsuitable for routine cleaning because of their high surfactant content. They form a film. To avoid grease stains on ceramic, we recommend storing oils in glass bottles and not leaving greasy substances or foods on the worktop.

Pore spaces and inclusions are fundamental characteristics of natural stone, regardless of the selected Properties of ceramic and porcelain stoneware. Pores are as natural as pores in human skin. They may be larger or smaller.

Without correct cleaning, there is a risk that, over time, dirt particles will settle in the pore spaces or inclusions. By following these instructions, you will delay the natural patination process; normal signs of use will nevertheless develop.

Only a worktop that is never used will continue to look exactly as it did on the day of installation.



Ordering care products

Item No.	Description	Euro	Unit
SRS	Schneider cleaning set - consisting of 2 x worktop cleaner and 1 x microfibre cloth	53	each
SAFL	Schneider worktop cleaner	21	each
MIK	Schneider microfibre cloth	12	each

Please send orders for care products to:

info.markneukirchen@L-Schneider-AG.de

or

by fax to: 037422/ 40 22 - 10

Material properties

The distinctive characteristics of ceramic result from its manufacturing process. Because of the pressure and high temperatures involved, these materials, which consist of clay, feldspar and other raw materials, have a non-absorbent surface and are therefore stain-resistant, particularly scratch-resistant, heat-resistant and robust.

A characteristic feature is the presence of minimal inclusions on the ceramic slabs.

Because of their dense, non-absorbent surface, ceramic slabs are particularly resistant. No impregnation is required.

A special feature of this product is the lower level of colour and texture variation. Production may nevertheless result in isolated pigments of a different colour. Further information can be found under the specific properties of ceramic, Dekton and porcelain stoneware.

The surface hardness (Mohs hardness 6-8) of satin, antique and leather finishes is exceptionally suitable for use in kitchens.

When cutting with knives, we recommend using a chopping board to protect the knives and prevent metal abrasion on the worktop.

Ceramic is resistant to UV radiation, frost and weathering.

Information on samples and illustrations:

Ceramic and Dekton samples, for example those displayed in showrooms, are non-binding and show only the general character of the material. They can never represent every variation and characteristic in colour, structure and finish. Ceramic and Dekton are produced predominantly from natural mineral raw materials, so variations in colour, structure and finish must always be expected. The finished worktop will always look different from a small sample. Ceramic is characterised by different veining and colour patterns, inclusions and pigments. Please also refer to our non-binding assessment of the veining, structure and uniformity of the different materials, together with the specific properties and finish information. This Product Guide shows a range of ceramic and Dekton finishes. The available finishes may differ from the illustrated surfaces, for example in terms of colour depth.

We give every customer the opportunity to personally select a specific slab from our warehouse. The individually selected slab will then be used for the worktop.

The customer may, of course, combine the selection with a factory tour. We will also be pleased to advise them on the material properties and the next stages of the process.

Alternatively, a photograph of the selected slab can be sent in advance on request. Please note that photographs are non-binding because screen settings, print settings, overexposure and underexposure may affect their appearance.

The identifying features, specific properties and information on ceramic samples described in this Product Guide are fundamental characteristics of ceramic and therefore do not constitute defects.

- ◆ Further material- and design-specific properties can be found on our website or via the QR code on the sample.

Material variations

The internal bowl dimensions of our sinks without a separate waste bowl are, regardless of material, approximately 360 x 360 mm (excluding sinks manufactured by Silestone).

Undermount sinks made from ceramic and Dekton are possible in every design.



♦ To illustrate the variations in hand samples (see also pages 25 and 69)



Example of highly varied materials

Available sizes and thicknesses:

- ♦ Ludwig Schneider AG worktops are available in solid thicknesses of 20 mm and 30 mm, and with a mitred built-up edge up to 100 mm.
 - Available material thicknesses can be found in the material directory.
 - Worktops with a built-up edge are available in all materials.

- ♦ The actual material thickness may vary between different slabs or production batches. Within a finished individual slab and at worktop joints, the applicable tighter tolerances under AMK Information Sheet 010, BIV Information Sheet 2.02 and the respective manufacturer's specifications apply.

- ♦ The maximum production dimensions for all quartz composite designs are 3000 x 1350 mm.

The production dimensions depend on installation points 1.2.1 and 1.2.2 of Ludwig Schneider AG.

- ♦ All web widths, for example around hob or sink cut-outs, must be at least 50 mm.
- ♦ Bevel widths can be found in the Sales Manual and must be confirmed with your sales adviser. Bevel sizes vary according to material thickness, from 3 x 3 mm for 20 mm worktops up to 5 x 5 mm.
 - The tolerance for bevel dimensions is +/- 1 mm.
 - Different bevel dimensions or bevels below 2 mm are not technically feasible.
- ♦ Splashbacks and wall upstands are available in all designs. - Splashbacks are generally supplied in a material thickness of 20 mm.
 - Wall upstands can be supplied in either 20 mm or 30 mm.
- ♦ Integrated table extensions can also be produced in the maximum dimensions stated above and supplied with the worktop.

Origin and provenance

- ♦ Quartz composite is an engineered stone containing a high proportion of natural components, such as quartz.

Available finishes:

- ♦ Quartz composite is available in up to three different finishes.
 - The available finishes can be found in the material directory.

Properties of quartz composite:

- ◆ Quartz composite requires relatively little care and has low water absorption.
- ◆ Quartz composite withstands hot pots up to approximately 100°C and splashing water. A suitable trivet or heat-resistant mat must be used for hot pots and pans.
- ◆ Quartz composite worktops are abrasion-resistant.
- ◆ Every slab offers a unique and individual tactile character.
- ◆ Further material-specific properties can be found on our website or via the QR code on the sample.

Cleaning

- ◆ The cleaning effort also depends on the selected finish and is explained in the finish and cleaning information. As a general rule: The rougher the surface, the more time cleaning will require. The surface should be cleaned after every use. An explanatory video on cleaning and correct use is available on our website and on YouTube.
- ◆ Detailed information on the correct use of quartz composite can be found in the instructions for use.

Impregnation

- ◆ No water-repellent impregnation or similar treatment is used, as such products would significantly reduce the material's easy-care properties.

Important information:

- ◆ All information below is based solely on our experience, as Each slab or production batch may have slightly different properties. We therefore generally recommend personally selecting your own slab for the worktop from our warehouse.

Instructions video

<https://www.l-schneider-ag.de/arbeitsplatten/mediathek/>

Finish and cleaning information:

- ◆ When selecting a surface finish, several factors should be considered.

The most important decision criteria range from appearance and tactile feel to care and cleaning.

polished

- ◆ high-gloss - reflective - smooth - daily cleaning sufficient

The gloss is achieved through approximately eight grinding and polishing stages, from coarse to the finest grit. Differences in the gloss level of individual crystals are to be expected depending on the composition. Structure and colour are more pronounced.

→ Cleaning is best carried out using the cleaning set, consisting of worktop cleaner and Use the microfibre cloth.

antique

- ◆ **antique** (rough - strongly textured) - thorough daily cleaning required!

A natural, irregular antique appearance is achieved by sandblasting followed by diamond brushing of the surface. The colour differs from the polished base colour.

→ As this is an open and enlarged surface, thorough daily cleaning is essential. Otherwise, there is a risk that dirt particles will settle in the surface over time. Incorrect cleaning increases the risk of rubbing particles firmly into the worktop. To prevent this, we recommend daily cleaning, ideally with the cleaning set consisting of worktop cleaner and the microfibre cloth.

leather finish

- ◆ slightly rough - lightly textured - daily cleaning required

A leather-like texture is achieved by grinding and then diamond brushing the surface. Processing marks may be visible. Variations in gloss, including within a single slab, cannot be ruled out. Fingerprints may be visible. The colour differs from the polished base colour.

→ Due to the manufacturing process, this is a partially closed yet enlarged surface. Because of the slightly rough feel, we recommend immediate cleaning with the worktop cleaner after soiling.

Specific properties

- ◆ Cleaning requirements do not depend solely on the selected finish. As a general rule, the rougher the surface, the greater the cleaning effort.
- ◆ Because of the manufacturing process used for quartz composite (engineered stone), this material has specific properties. Please note the following points:
 - ▷ Colour patterns
 - Differences in colour patterns at slab joints cannot be avoided, even with quartz manufacturers such as Silestone and Compac.
 - Each slab is individually cast.
 - ▷ Pigments
 - Isolated pigments of a different colour may be visible within the surface and are to be expected.
 - In materials marked as containing pigments, these may be more frequently visible.
 - ▷ Pore spaces
 - Pore spaces are fundamental characteristics of quartz composite, regardless of the selected finish. Without correct cleaning, there is a risk that dirt particles will settle in the surface over time. dirt particles will settle in the surface over time.
 - ▷ Surfaces
 - Due to different manufacturing processes, surface characteristics may vary between materials, including materials from the same manufacturer. The stated manufacturing processes may differ depending on the manufacturer.
 - ▷ Gloss and irregularities
 - Each individual mineral component may reflect light differently from its neighbouring crystal. Small irregularities result from the different mineral hardnesses.



Marengo 20 mm - bevelled edge

solid-colour materials with pigments

Miami White



fine-grained materials

Arena



Blanco City

Blanco Maple

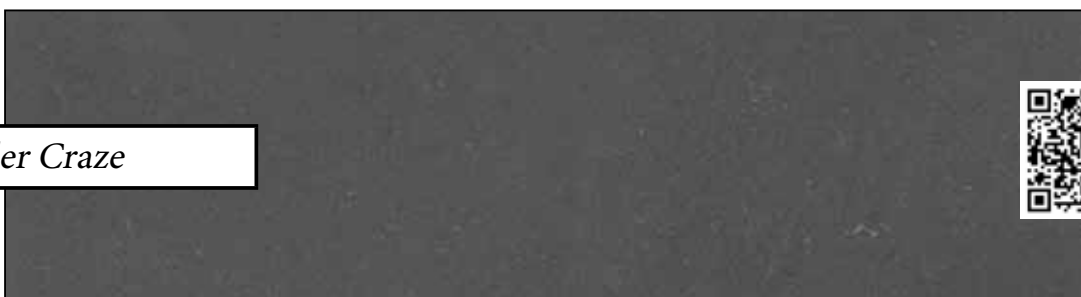


fine-grained materials

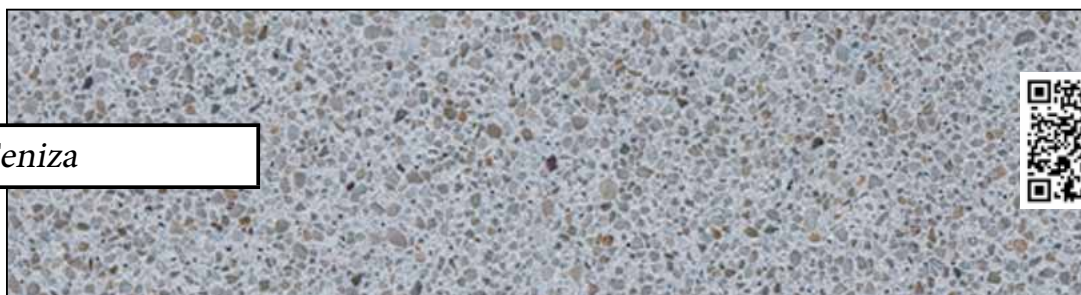
Blanco Stellar



Cinder Craze



Ceniza



Gris Expo



Concrete Pulse



fine-grained materials

Linen Cream



Marengo



Plomo



White Storm



varied materials



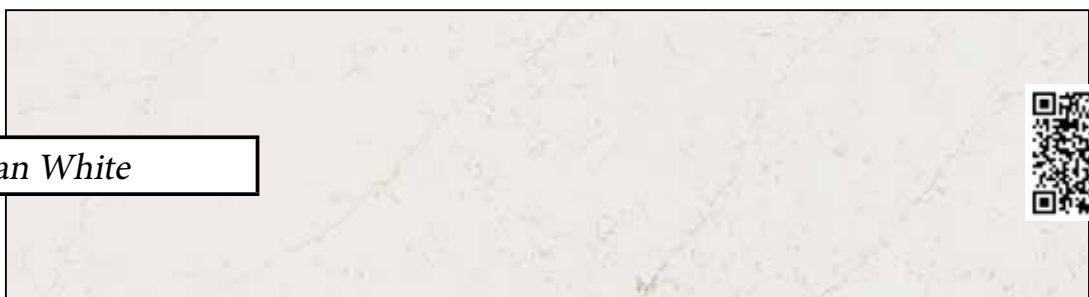
Ariel



Coral Clay



Motion Grey



Persian White



Siberian Frost



Material name	Item No.	Available finishes			Silicone colour	Available material thicknesses			Specific property
		pol-ished	an-tique	leather		2 cm	3 cm	4 cm	
Arena	315	x			jasmine	x	x		heat-sensitive
Ariel	801	x			light grey	x	x		heat-sensitive
Brass Relish	256	x			sanitary grey	x			heat-sensitive
Blanco Maple	245	x			cream	x	x		heat-sensitive
Blanco Stellar	247	x		x	cream	x			heat-sensitive
Concrete Pulse	258	x			sanitary grey	x			heat-sensitive
Coral Clay	201	x			sanitary grey	x			heat-sensitive
Ceniza	320	x			sanitary grey	x	x		heat-sensitive
Coral Clay	201	x	x	x	bahama	x	x		heat-sensitive
Cinder Craze	257	x			anthracite	x			heat-sensitive
Gris Expo	661	x	x	x	sanitary grey	x	x		heat-sensitive
Linien Cream	400	x			cream	x			heat-sensitive
Marengo	811	x			sanitary grey	x	x		heat-sensitive
Miami White	372	x			cream	x	x		heat-sensitive
Motion Grey	401	x			sanitary grey	x			heat-sensitive
Persian White	402	x			cream	x			heat-sensitive
Plomo	325	x			sanitary grey	x	x		heat-sensitive
Siberian Frost	403	x			cream	x			heat-sensitive
White Storm	820	x			cream	x	x		heat-sensitive
Zement Ice	329			x	sanitary grey	x	x		heat-sensitive

Ordering care products

Item No.	Description	Euro	Unit
SRS	Schneider cleaning set - consisting of 2 x worktop cleaner and 1 x microfibre cloth	53	each
SAFL	Schneider worktop cleaner	21	each
MIK	Schneider microfibre cloth	12	each

Please send orders for care products to:

info.markneukirchen@L-Schneider-AG.de

or

by fax to: 037422/ 40 22 - 10

Instructions for use

To ensure that you enjoy your Ludwig Schneider AG worktop for many years, we would like to provide a number of helpful instructions for use and care. Cutting directly on all of our Cutting directly on quartz composite is generally possible. To prevent knives from becoming blunt, however, we recommend using a chopping board. Cutting directly with metal knives may leave metal abrasion on the worktop. This can be removed with a standard eraser. We advise against cutting directly on the worktop with ceramic knives. Using meat tenderisers or similar tools directly on the worktop may, because of the concentrated force on a small area, cause damage or chipping. We strongly advise against this. The same applies to placing heavy pots and bottles abruptly or forcefully directly on an edge, on the worktop surface or in a narrow web area. Do not sit or stand on the worktop, as excessive localised force may cause breakage. To avoid damaging the structure of the worktop, force may cause breakage. To avoid damaging the worktop, we recommend not placing hot objects directly on the surface. Because heat resistance is limited to approximately 100°C, a trivet or heat-resistant mat is required for hot pots, pans and similar items. If hot fat comes into contact with the worktop, clean it immediately. Stains caused by incorrect cleaning usually remain permanently visible.

Cleaning:

To preserve the gloss and surface, we recommend cleaning immediately after every use. Grease, flour, meat juices and fruit residues in particular should be removed without delay. We also recommend a final daily clean. As ordinary washing-up sponges and cloths are not completely free of dirt after daily use, please use them only for preliminary cleaning of the worktop. For proper final cleaning, use the worktop cleaner supplied to the end customer with the worktop. It is highly concentrated; 2-3 sprays per m² are sufficient. The Ludwig Schneider AG microfibre cloth is ideal for cleaning the worktop. Apply light pressure and wipe in one direction to remove residues easily. Do not use fabric softener when washing the microfibre cloth, as it coats the fibres and prevents effective cleaning. An additional deep cleaner for quartz composite is also recommended. For quartz composite, strongly acidic cleaners and aggressive chemicals such as oven and drain cleaners, bleach, ammonia, concentrated vinegar, citric acid or products with a pH above 10 must be avoided, as they may attack the surface. To prevent damage to the quartz composite, do not use abrasive tools. Hand dishwashing detergents are also unsuitable for routine cleaning because of their high surfactant content. They form a film. To avoid grease stains in quartz composite, we recommend storing oils in glass bottles and not leaving greasy substances or foods on the worktop.

Pore spaces and inclusions are fundamental characteristics of natural stone, regardless of the selected Properties of quartz composite. Pores are as natural as pores in human skin. They may be larger or smaller. Without correct cleaning, there is a risk that dirt particles will settle in the pore spaces or inclusions over time. By following these instructions, you will delay the natural patination process; normal signs of use will nevertheless develop. signs of use will nevertheless develop.

Only a worktop that is never used will continue to look exactly as it did on the day of installation.

Material properties

A defining characteristic of quartz composite is that it is pressed under pressure from a high proportion of natural components (more than 90% quartz), high-quality resins and pigments. A special feature of this stone-related product is the lower level of colour and texture variation because the formulations change very little.

Quartz composites are high-quality materials, but are less individually varied than natural stone.

Frequent or prolonged exposure to UV radiation may, in some circumstances, cause slight changes in the colour of the material. Direct sunlight may also reveal streaks resulting from the surface treatment. These are particularly visible on polished materials. Further information can be found under the specific properties.

Information on samples and illustrations:

Quartz composite samples, for example those displayed in showrooms, are non-binding and show only the general character of the material. They can never represent every variation and characteristic in colour, structure and finish. Quartz composite consists mainly of natural components, so variations in colour, structure and finish must always be expected. The finished worktop will always look different from a small sample. Quartz composite is characterised by different veining and colour patterns, differently coloured pigments, pores and inclusions. Please also refer to our non-binding assessment of the veining, structure and uniformity of the different materials, together with the specific properties and finish information. This Product Guide mainly shows polished quartz composite surfaces. Other finishes may differ significantly from these illustrations, particularly in terms of colour depth.

We give every customer the opportunity to personally select a specific slab from our warehouse. The individually selected slab will then be used for the worktop.

The customer may, of course, combine the selection with a factory tour. We will also be pleased to advise them on the material properties and the next stages of the process.

Alternatively, a photograph of the selected slab can be sent in advance on request. Please note that photographs are non-binding because screen settings, print settings, overexposure and underexposure may affect their appearance.

The identifying features, specific properties and information on quartz samples described or shown in this Product Guide are fundamental characteristics of quartz composite and therefore do not constitute defects.

- ♦ Further material- and design-specific properties can be found on our website or via the QR code on the sample.



♦ To illustrate the variations in
hand samples (see also pages 25 and 57)

Example of varied materials

Available sizes and thicknesses:

- ◆ Toughened safety glass (ESG - float glass) for splashbacks is available only in a thickness of 6 mm.
- ◆ Toughened safety glass (ESG - Adige) for worktops is available only in a thickness of 12 mm.
- ◆ The maximum production dimensions for all glass splashbacks are 3000 x 1200 mm.

The production dimensions depend on installation points 1.2.1 and 1.2.2 of Ludwig Schneider AG.

- ◆ The smallest available size is 300 x 200 mm.

Available finishes:

- ◆ Glass splashbacks have a polished finish with ground/bevelled edges.
- ◆ Glass worktops have a frosted finish with polished/bevelled edges.

Finish and cleaning information:

- ◆ polished
high-gloss - reflective - smooth - daily cleaning sufficient
Pores created during firing and pressing are opened by the polishing process.
 - ◆ frosted
matt - smooth - daily cleaning sufficient
Pores created during firing and pressing are opened by the polishing process.
- Cleaning is best carried out using a glass cleaner.

Material properties:

- ◆ Please note that painted glass may differ in colour from the corresponding RAL colour.
- ◆ Glass may show variations in its inherent colour.
- ◆ Colour differences result from different finishes, such as polished or frosted, and from different glass thicknesses and inherent glass colours.
- ◆ Because of the manufacturing process, glass may show slight colour variations. These may be particularly visible at panel joints.
- ◆ Further material-specific properties can be found on our website or via the QR code on the sample.

Manufacturing process:

- ♦ Glass is melted from various raw materials. The main component is quartz sand. Other raw materials include lime and dolomite.
- ♦ Thermally toughening glass produces single-pane safety glass.
- ♦ For coloured glass splashbacks, the rear surface is coated with scratch-resistant paint.
- ♦ For glass worktops, the rear surface is painted.

Silicone colour:

- ♦ Transparent silicone is used for all glass splashbacks.
- ♦ Glass worktops are supplied only; installation is not included.

Specific properties

- ▷ Colour patterns - With glass, differences in colour patterns, particularly at panel joints, cannot be avoided. Coloured glass splashbacks, whether solid-colour or printed with a motif, may also display different or changing colour patterns within a single panel.
- ▷ Pigments - Isolated pigments of a different colour may be visible within the surface.

Custom colour or motif

- ♦ Any RAL colour can be selected.
- ♦ Customers' own motifs (minimum 300 dpi) can be applied to the glass.

Safety glass with motif

- ♦ On request, you can select the desired crop of your motif yourself.
- ▷ Unless expressly agreed otherwise, Ludwig Schneider AG will select an image crop that it considers suitable.

Additional colours or motifs

- ♦ Additional colours and motifs can be found in the Sales Manual held by your sales adviser.



Limes in water

solid-colour materials

ESG - Pure white



similar to RAL 9010

ESG - Grey aluminium



similar to RAL 9007

ESG - Traffic white



similar to RAL 9016

ESG - Anthracite grey



similar to RAL 7016

solid-colour materials

ESG - Jet black



similar to RAL 9005

ESG - Sikkens E4



ESG - Moss green



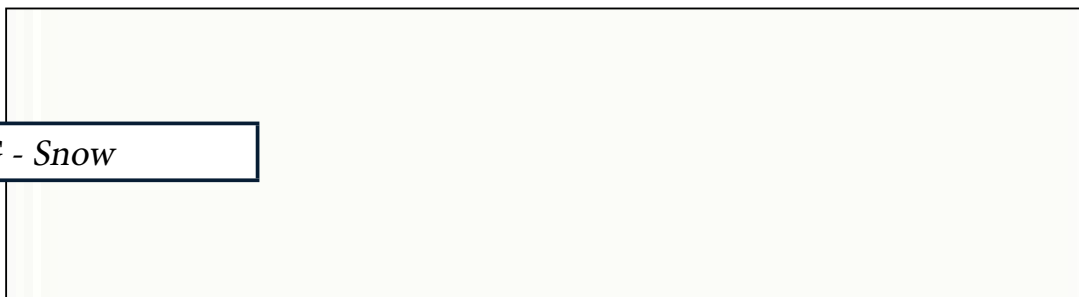
similar to RAL 6005

ESG - Caparol 3D



solid-colour materials

ESG - Snow



similar to RAL 9016

ESG - Aluminium look



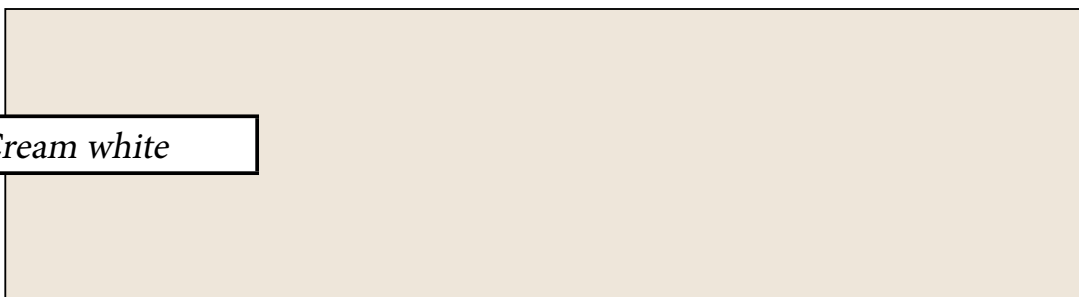
similar to RAL 9006

ESG - Black



similar to RAL 9017

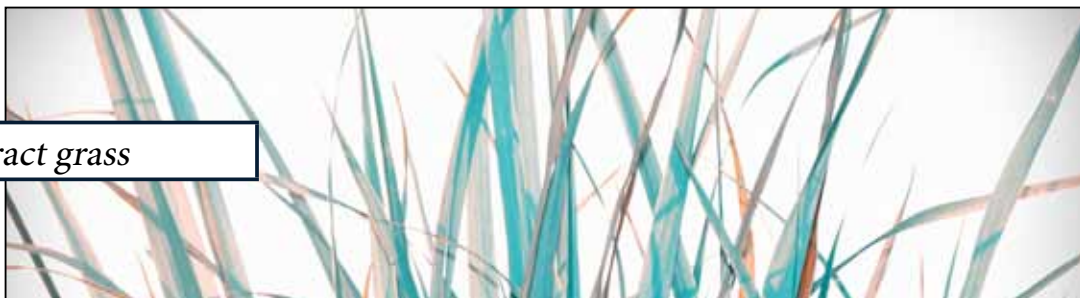
ESG - Cream white



similar to RAL 9001

Materials with motifs

Abstract grass



Coffee beans



Fire 3



Sunset



Sea view





Oak



Beech



Knotty oak



European walnut



American walnut

Available sizes and thicknesses:

- ♦ Solid wood is available in edge-glued thicknesses of 30 and 40 mm.
- ♦ The maximum production dimensions for all solid-wood worktops are 3000 x 1000 mm.

The production dimensions depend on installation points 1.2.1 and 1.2.2 of Ludwig Schneider AG.

- ♦ The smallest available size is 300 x 200 mm.

Available finishes:

- ♦ Solid wood is edge-glued, finger-jointed lengthwise and sanded; the stave width is approximately 42 mm.

Finish and cleaning information:

- ♦ sanded
matt - smooth - daily cleaning sufficient
- Cleaning is best carried out using lukewarm water and a soft sponge.

Material properties:

- ♦ Different veins, colour patterns, pores and inclusions are characteristic of solid wood.
- ♦ Wood is a living material, which means that it changes over time. The formation of small cracks, for example, and darkening or lightening under sunlight are to be expected.

Specific properties

- ▷ Colour patterns - Every type of wood changes over time. It may subsequently darken or lighten. Every solid-wood worktop is a unique piece of nature, grown over many years and never identical.
- ▷ Pigments - Differently coloured inclusions or similar features may be visible within the surface.

Material selection

♦ If Ludwig Schneider AG selects the material, the product-characteristic variations in colour, structure, grain and finish explained and documented above are deemed agreed. Subsequent complaints in this respect are excluded. The supplied worktop will always differ from the sample or showroom display.

After the kitchen has been installed

- ♦ Once your kitchen has been installed, a Ludwig Schneider AG employee will contact you to arrange the worktop templating appointment.
 - ▷ You do not need to organise anything yourself.

For smooth and accurate templating

- ♦ Select the correct worktop when purchasing your kitchen.
 - ▷ Subsequent changes must be approved by your sales adviser.
(This will delay the delivery date.)
- ♦ On the day of templating, your kitchen must be freely accessible.
- ♦ All kitchen surfaces must be completely clear.
 - ▷ Remove all furnishings and objects that you have already placed on the kitchen units.
 - This is necessary to ensure error-free operation of the laser measuring equipment.
- ♦ Do not arrange any further follow-up installation work at this time that could affect or alter the kitchen.
- ♦ All appliances relevant to the worktop, such as the ceramic hob, power ports or sink, must be present on site.
 - ▷ Alternatively, a binding product/model specification must be available on site.

Requirements from the day of templating

- ♦ Precise laser templating is carried out so that worktop joints can be made as discreet as possible.
- ♦ If you make changes to your kitchen after the templating date, installation of the worktop cannot be guaranteed.
 - ▷ A new templating appointment and re-manufacture may then be required.
This will be chargeable.

Installation duration

For installations expected to take up to three hours, we can specify only a morning or afternoon time window.

If the planned installation time is significantly more than three hours, we cannot provide a specific time window. Installation will then take place between 7:00 a.m. and 6:00 p.m.

Before arranging an installation date

◆ Once your worktop has been manufactured, you will be contacted to arrange the installation date.

▷ Please observe the following points:

→ On the day of worktop installation, the kitchen must be freely accessible. This includes a route on firm ground from the property boundary to the kitchen. Temporary stairs or similar structures must not be used for safety and occupational health reasons.

→ Delivery via unsecured external lifts or windows, or through unfinished buildings without the required safeguards (such as unsecured stairwells), is not possible.

If the above requirements are not met, a new installation date must be arranged. This will be chargeable. A replacement installation date required due to circumstances attributable to the customer will take place approximately 4-6 weeks after the original date.

→ Appliances such as ceramic hobs must be at room temperature on the installation day and thoroughly cleaned. Otherwise, the appliances cannot be checked for existing damage. Any subsequent complaint regarding damage to the appliances is excluded in this case.

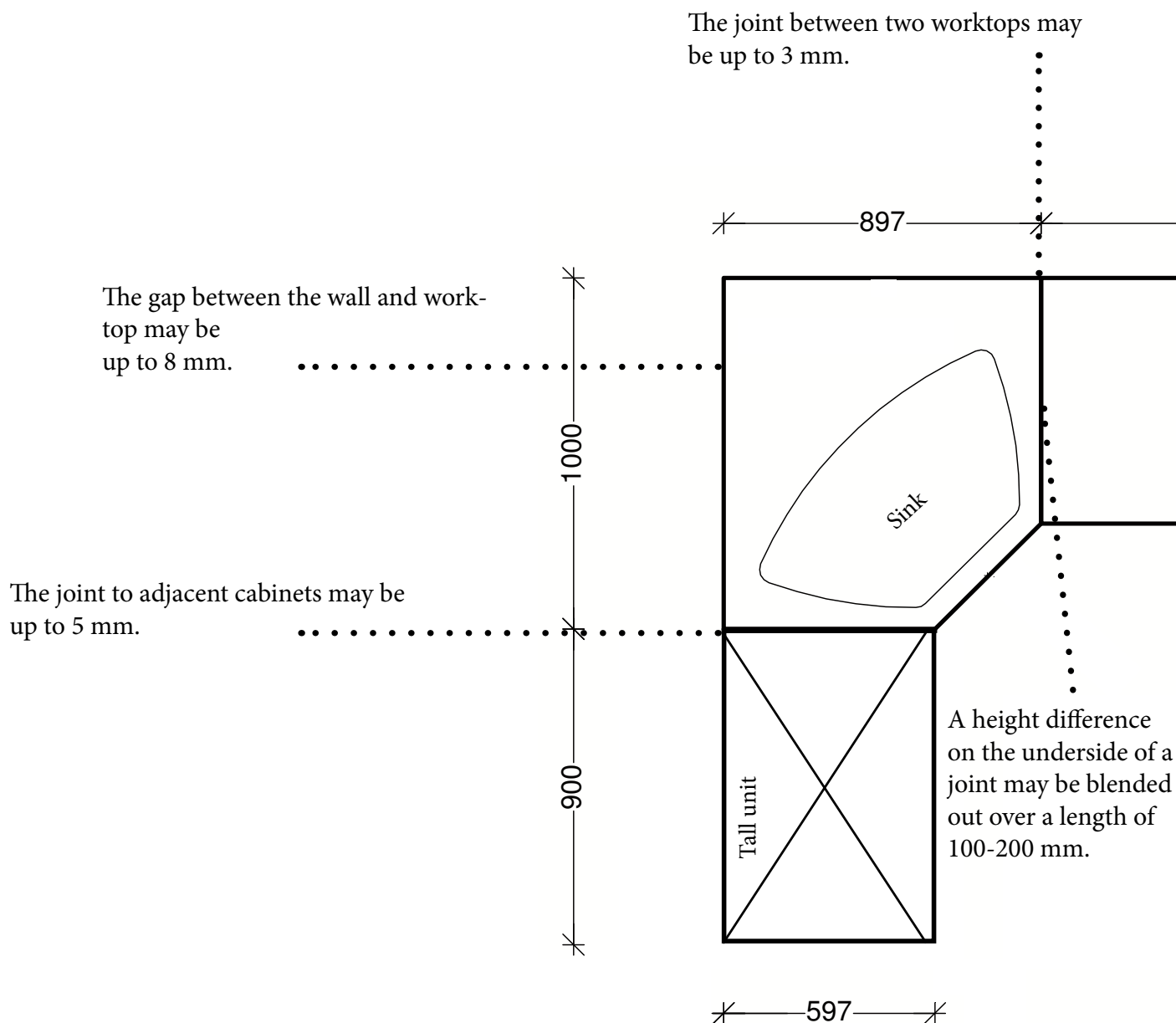
→ The kitchen work area must be free of normal household objects before installation begins.

→ Painting work along the main access routes should not take place on the day the worktop is installed.

◆ Crane transport is not included in the scope of services provided by Ludwig Schneider AG.



Diagram of the tolerances to be observed (Tolerances in accordance with BIV)

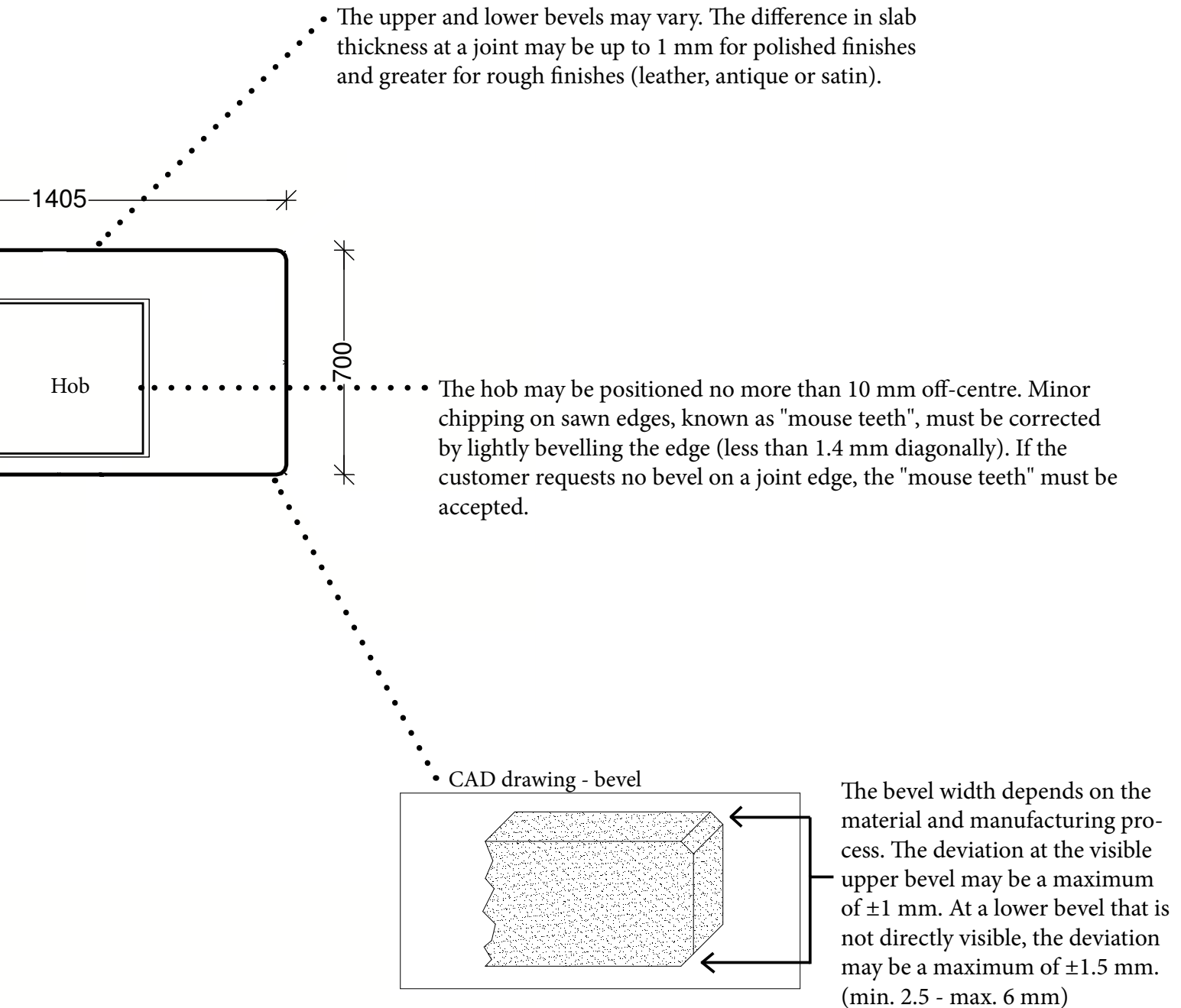


Important:

The usable depth of the installed worktop should be at least 600 mm. The thickness of a niche splashback or wall cladding must be added to this measurement. Wall upstands and sealing strips are not included in this calculation. - Handleless kitchens must be positioned at least 40 mm away from the wall to achieve sufficiently wide webs.

observed during installation

V Information Sheet 2.02b)



Additional installation information:

Worktop overhangs are determined by Ludwig Schneider AG. We base these on the cabinet depths and planning specifications (e.g. handleless kitchen) of the furniture manufacturer. A worktop depth of 60 cm is the basis for determining the overhang in a standard kitchen plan.

Flush-mounted sinks

1 - 3mm je nach Hersteller

neutral vernetztes Silikon

Arbeitsplatte

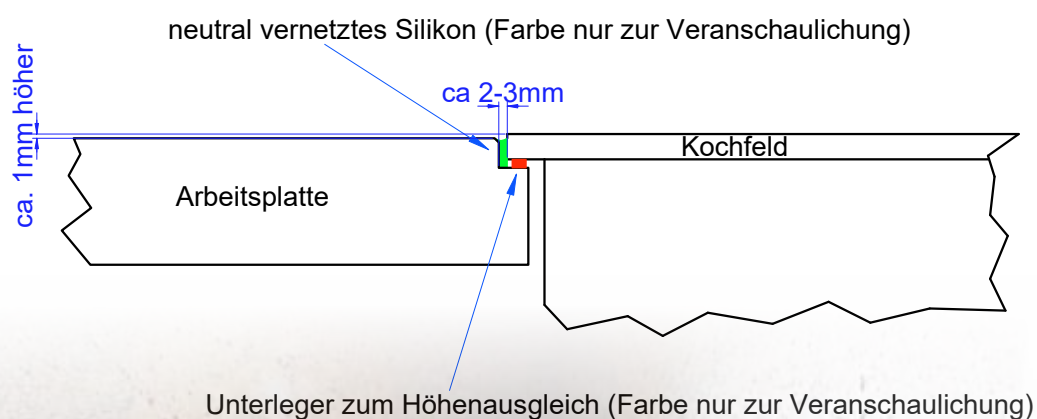
Spüle

Important:

Due to material irregularities, flush-mounted sinks are installed 1 mm lower or down to the lower edge of the bevel, depending on the manufacturer. Cut-outs wider than 650 mm usually require a web-strip joint (see page 86).



Flush-mounted hob



Important:

Because of possible heat build-up, hobs are installed up to 1 mm higher. Cross rails must be taken into account when planning drawers. Cut-outs wider than 650 mm usually require a web-strip joint (see page 86).



Worktop joints by material



- ◆ With all coarse-grained, textured, visually irregular or veined materials, as well as printed glass and glass splashbacks with motifs, the grain and colour pattern will change at joints; see the illustrations.



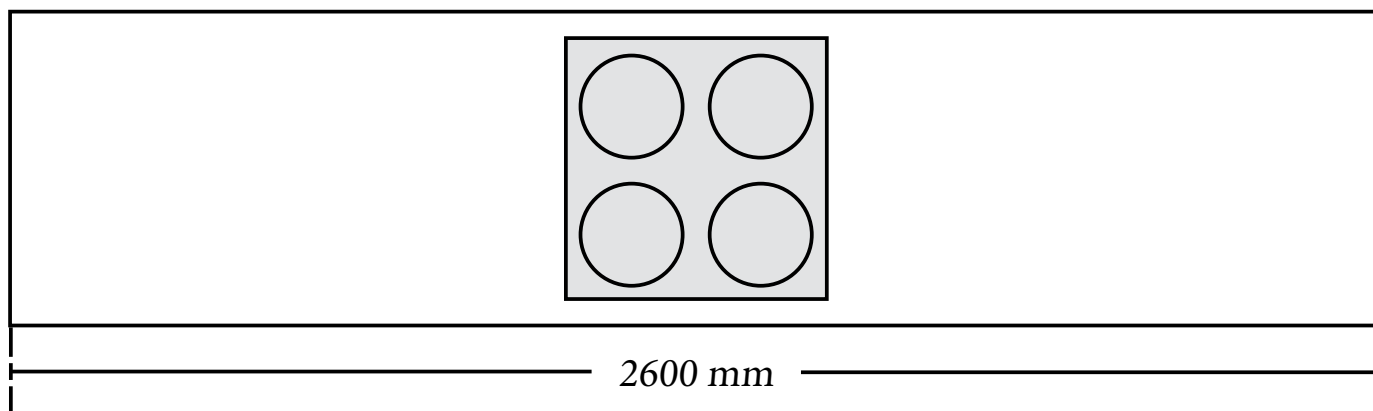
End panels as block cladding

- ◆ This construction method provides a solid-block appearance only for each individual component. A continuous block appearance between the worktop and end panel is not produced.
 - ▷ If both the end panel and worktop have built-up edges, the two blocks are butt-jointed.
 - ▷ Curves are not possible on worktops with a built-up edge. In the sink area, no built-up edge is produced for undermount sinks. The thickness around the cut-out is determined by the thickness of the worktop base material. See also the illustration on page 31.
 - ▷ When cladding a kitchen block, the individual panels are also butt-jointed; see the illustration.
- ◆ End panels without block cladding are shown on page 53.



One-piece worktops

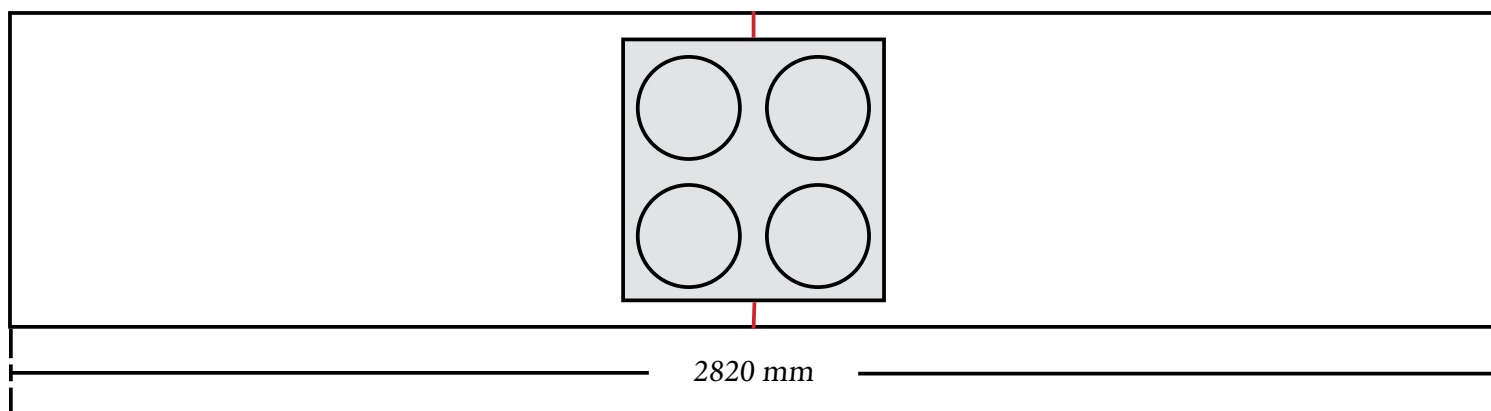
◆ AMK and BIV identify approximately 2,400 mm as the length that can normally be manufactured in one piece. If the slab size, material thickness, cut-out design and safe transport conditions are suitable, Ludwig Schneider AG may, in individual cases, manufacture one-piece worktops up to 3,000 mm. This requires a suitable stairwell and access route, as well as sufficient space in the kitchen. See also Overlength worktops and installation point 1.2.1.



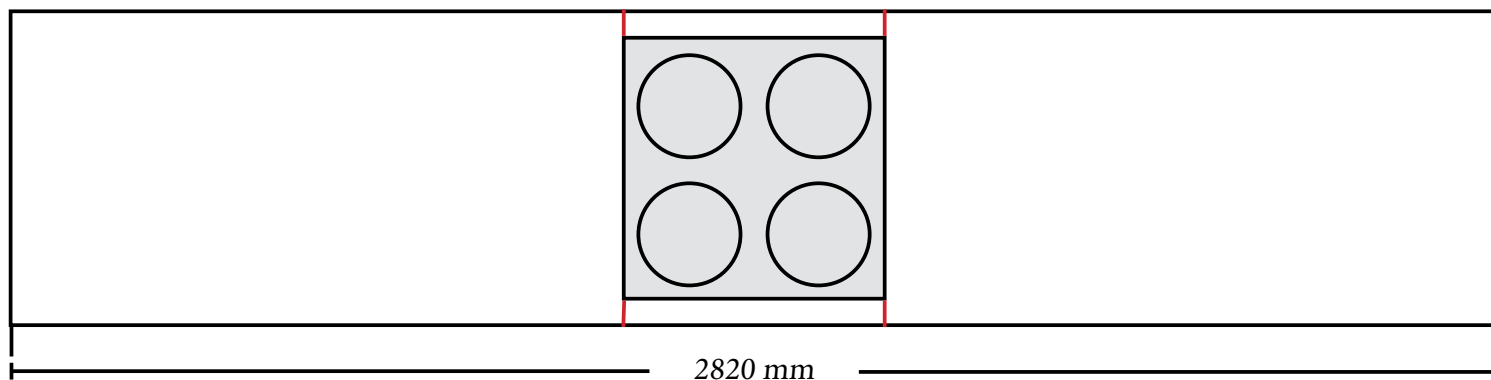
Required joint

- ◆ From 3,001 mm, worktops transported by Ludwig Schneider AG are always divided. Exceptions are permitted only with separate written technical approval.
- ◆ Subject to installation point 1.2.1, one of the illustrated joint arrangements is normally selected.
- ◆ Large cut-outs wider than 650 mm are produced in natural stone up to 25 mm thick and in ceramic or comparable materials up to 19 mm thick only with additional structural measures. These include at least a suitable web-strip or slab joint, professional reinforcement and a load-bearing substructure providing continuous support in the web area. Exceptions require material- and manufacturer-specific approval.

Tuning-fork joint



Web-strip joint



Overlength worktops

◆ For worktops 2,400 mm or longer, the high weight and reduced manoeuvrability mean that damage to adjacent walls or neighbouring tall kitchen units and refrigerators cannot be ruled out during installation. Damage to access routes, such as stairwells or other confined areas, also cannot be ruled out.

▷ The customer must be informed of the increased transport and damage risk associated with overlength components. For damage caused solely by inadequate access or space conditions for which the customer is responsible, Ludwig Schneider AG is liable only in accordance with the applicable statutory provisions. Liability for its own culpable conduct remains unaffected.

Worktop overhangs

- ◆ Unsupported parts of the worktop must be adequately supported.
 - ▷ Installation is possible only if the necessary conditions, including stability and a suitable supporting surface, are provided.
- ◆ The required supporting frame or support legs must be available on site at the time of installation.
 - ▷ The customer is responsible for the structural design and substructure.



Substructures

- ◆ For worktops up to 22 mm thick, a suitable supporting structure must be provided because of the lower flexural tensile strength.
- ▷ A load-bearing substructure, such as cross rails, must be provided on site or created when the kitchen is assembled.
- ▷ For 12 mm worktops, we generally recommend a full-surface substructure to prevent cracking.
- ▷ Further requirements for preparatory work and substructures are specified in BIV Information Sheet 2.02, section 3.1, and AMK Information Sheet 010, section 5.3.4. For supports and reinforcements in the area of cut-outs and webs, BIV section 3.3.2 and AMK section 4.2.2 must also be observed.

Steam exposure

- ◆ For appliances that generate steam, such as dishwashers, the appliance supplier must provide protection against steam and moisture. The applicable requirements are set out in AMK Information Sheet 010, section 5.3.2, and are summarised on page 94 of this Product Guide.
- ▷ No liability is accepted for fatigue failure occurring in this area.

Undermount sinks

- ◆ Undermount sinks are generally fixed using mounting rails.
- ▷ A drawer directly beneath the sink is not possible. If a drawer is nevertheless planned, it will generally no longer open after the mounting rails have been fitted.

Breakfast-bar tops

- ◆ As standard, the underside of breakfast-bar tops is unfinished. If a finished underside is required, this can be ordered separately through your sales adviser.
- ◆ Breakfast-bar tops are possible from a material thickness of 20 mm.
- ◆ For worktops up to 30 mm thick, a suitable on-site substructure must be provided for professional fixing of the breakfast-bar top.
- ◆ The distance between support legs must not exceed 55 cm. The lateral overhang must not exceed 20 cm. For a length of 180 cm, for example, three support legs must be planned.

Electronic accessories

- ◆ As accessories such as power ports are available in many different sizes, they must be kept available from the day of templating.
 - ▷ The required drilling diameter or cut-out size must be checked. Otherwise, the hole or cut-out may be manufactured to the wrong dimensions.

If the accessory is not available on site, it cannot be included in the templating or manufacturing process. Installation will therefore not be possible.

Loading the worktop

- ◆ Kitchen cabinets or similar heavy items must not be placed on the worktop. Worktops are not designed to carry such high loads, and doing so is not considered correct use of the worktop; see also the instructions for use.
- ▷ The resulting load will cause the worktop to crack or break.

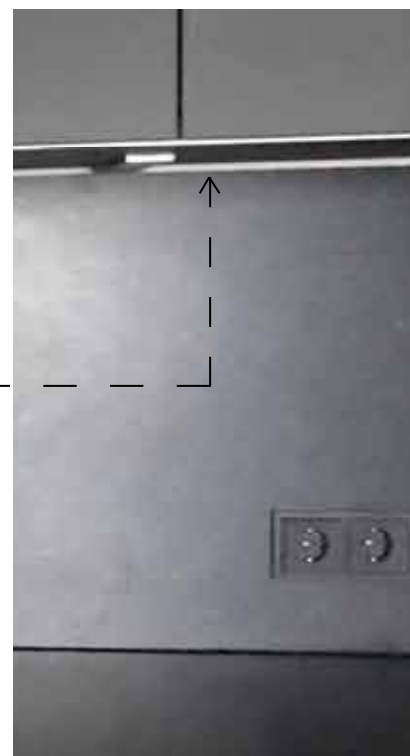
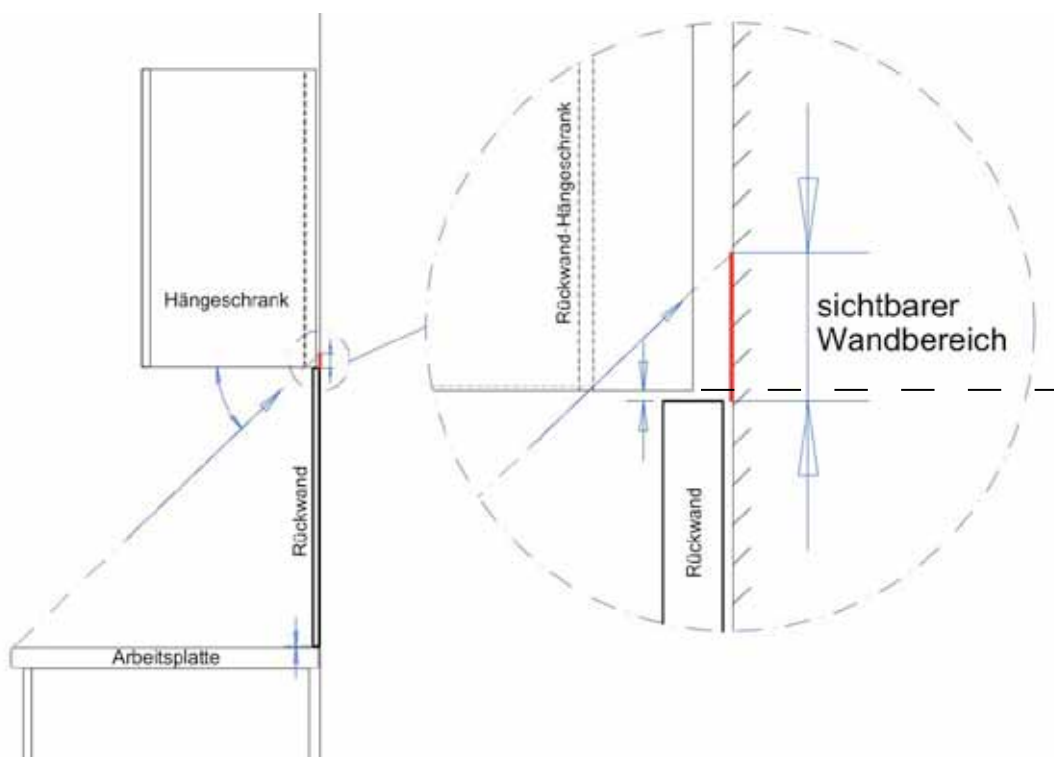
Liability in this respect is excluded.

Splashbacks

- ◆ If you plan a splashback between two tall units, we recommend having one of the two tall units installed only after the splashback or worktop has been fitted.
- ▷ Otherwise, the splashback and possibly also the worktop will have to be divided.
- ◆ All connections, such as light switches and electrical sockets, must already be installed.
 - ▷ Adding them later often requires a new splashback.
 - ▷ Switches and sockets must be installed or approved by a qualified electrician.
- ◆ Unless ordered otherwise, glass splashbacks are bonded directly to the wall.
- ◆ For an additional charge, the glass splashback can be printed with a custom motif from your own photo collection. This must be ordered through your sales adviser.

If you are planning a splashback, do not fill or alter your tall units after templating.

- ◆ A clearance to the wall cabinets is required when installing a niche splashback. We plan and install splashbacks with a gap of a few millimetres below the upper cabinets to allow for building movement and stress-free installation without damaging the splashback. A clearance is also required for lighting cables. Because wall cabinets have recessed backs to provide air circulation, the existing shadow gap may appear larger when viewed at an angle. With dark splashbacks, it is advisable to paint a darker strip on the building wall at this height before the kitchen is installed.



Silicone colour

- ◆ A fixed silicone colour is assigned to each material.
- ▷ If you require a different silicone colour, this must be ordered through your sales adviser.

Final removal of silicone residues

- ◆ After final installation of the worktop, the fitters clean the worktop surface.
- ◆ Because the silicone must dry, the final detailed cleaning must be carried out by you, but no earlier than 8 hours after installation. Cleaning too early will smear the silicone and result in chargeable, time-consuming cleaning and renewed sealing.

At installation, you will receive a recommended cleaning product for this final clean.

▷ During the final clean, carefully remove any silicone residue and streaks using warm soapy water and a soft brush or cloth. For stubborn residue, use the recommended cleaning product. You may also carefully carry out the final clean with a sharp blade or scraper. Mechanical tools may be used only if they are approved for the specific surface. Blades and scrapers must not be used on scratch-sensitive, coated, polished or printed surfaces.

Acrylic joints

- ◆ Because of the wall materials, Ludwig Schneider AG is generally unable to produce a silicone wall joint to the worktop.

At the customer's express request, acrylic joints may be carried out solely as a goodwill service, as acrylic is a decorator's sealant and is not included in our contractual scope of work.

Warranty claims and subsequent remedial work are excluded.

Important: The use of acrylic will soil the wall. Once the acrylic has dried, you or a specialist contractor must repaint the wall in the joint area at your own responsibility.

Preventing a dirt polish

Important: Incorrect cleaning will produce a dirt polish.

- ◆ Many forms of dirt, including surfactant residue, soap residue, grease and limescale from water, can be polished. This darkens the surface and gives it a greasy sheen. If, for example, water or acidic liquids then come into contact with it, pale marks usually develop. On worktops, such marks may be caused by a hot pot lid, a cup of tea or a champagne glass.

▷ Always follow the instructions for use for your material to prevent a dirt polish.

Removing a dirt polish requires considerable effort.
In the worst case, the worktop may have to be re-ground or replaced.

➔ Removing a dirt polish is not included in the scope of services provided by Ludwig Schneider AG.

Acceptance

- ♦ Ideally, the owner should be present on site for acceptance. If this is not possible, please send us a short email containing the following text:

Subject: Authorisation

I hereby authorise _____ [surname, first name],

residing at _____ [street, town/city],

Mr/Ms _____ [surname, first name], residing

at _____ [street, town/city], to receive

and accept on my behalf the goods intended for me under purchase contract

_____ [number].

Signature

Date

- ▷ Alternatively, you may complete the authorisation and show it to the fitters, or fax it to the following number: 037422/ 40 22 10.
- ▷ If none of these requirements is met, we will assume authority by acquiescence.
- ▷ If neither you nor an authorised person is present on site, acceptance will be deemed to have taken place tacitly.

Subsequent checks

- ♦ Where water connections are made by Ludwig Schneider AG, you must subsequently check the connections for leaks. Check them daily after use during the first few days.
- ▷ No liability is accepted for damage resulting from failure to carry out these checks.
- ♦ With new screed floors, particularly in new buildings, the load-bearing contact of the plinth feet must be checked after an appropriate period.
- ▷ No liability is accepted for worktop damage caused by shrinkage or settlement of the floor.

- ◆ Your worktop will be installed on the basis of the BIV and AMK information sheets for kitchen worktops, the Ludwig Schneider AG installation points and the content of this Product Guide.

BIV Information Sheet 2.02b - Kitchen Worktops - December 2022 edition - extract

1.0 Scope

This information sheet applies to kitchen worktops made from natural stone, quartz composite and ceramic in their new or handover condition for the purposes of planning, execution and assessment. It also applies to vanity tops, shelves, splashbacks and aprons. It supplements the following standards: ATV DIN 18332 - Natural Stonework; ÖNORM B 3113/B 2213; EN 15388 - Agglomerated Stone; and ATV DIN 18352 - Tiling and Slab Work. Tolerances and limit deviations relate to visible areas.

2.0 Materials

2.2 Structure and colour

Cutting layouts are selected to achieve economical material utilisation. Continuous veining or book-matched layouts are special services and must be agreed separately.

2.2.1 Natural stone

Natural stone displays stone-specific inclusions, veins, pores and textural differences that occur naturally and are permissible under ATV DIN 18332. Customers must be informed of these characteristics before the contract is concluded; colour and structure must be illustrated using sample slabs. Differences between a hand sample and the finished product are natural. For highly varied stones, sampling from the actual slab is recommended. Hairline cracks, veins, small pits and pores that do not impair fitness for use are characteristic of the product and do not have to be filled.

2.2.2 Quartz composite

Quartz composites consist of more than 90% quartz with reaction resins as binders; pigments determine the colour. Each slab is cast individually, and differences in colour, structure and texture may therefore occur. Assessment is in accordance with DIN EN 15388. Visually perceptible variations are permissible if they correspond to the sample and do not impair fitness for use. Typical characteristics include differently coloured points, pigment inclusions and pore spaces.

2.2.3 Ceramic

Ceramic materials consist of porcelain stoneware, a compact, fully sintered material with water absorption of $\leq 0.5\%$. Polished or lightly ground surfaces may contain open pores; unpolished surfaces depend on the pressing die. Glazed surfaces may have lower strength. Designs are generally not through-coloured, but applied to the surface. Points, raised areas or waves visible in glancing light may result from production and are characteristic of the material, not defects.

2.3 Finishes

2.3.1 Natural stone

Filling, resin or similar treatments are permissible and must be stated. Variations in gloss and structure may occur. Surface treatments (polished, satin, honed, flamed and brushed) affect cleaning requirements and dirt adhesion. Small imperfections may be professionally repaired. Assessment: from a distance of 2 m in daylight in accordance with DIN EN 12058; glancing light is not an assessment criterion.

2.3.2 Quartz composite

Processing visible edges, drainboard areas and similar features may create visual differences in structure and gloss. Subsequent reworking of surfaces is possible only to a limited extent. Depending on the finish:

- ◆ Polished: best visual presentation, very low cleaning requirements.
- ◆ Satin/honed and brushed: matt appearance, fingerprints visible, moderate cleaning requirements.
- ◆ Blasted and brushed: macro-rough texture, increased cleaning requirements. Manufacturer-specific designations must be observed.

2.3.3 Ceramic

Surfaces are generally textured or decorated only at the surface. Subsequent reworking, such as grinding or producing a drainage slope, is barely possible. Grinding may open pores that absorb dirt, thereby reducing cleanability. Recommendations: ◆ Untreated/press-die surface: very easy to clean.

- ◆ Polished/glass-coated: susceptible to scratches and chipping.
- ◆ Special finishes: more strongly textured, increased cleaning requirements.

2.3.4 Repairs

Small imperfections on edges and corners are permissible if professionally repaired, durable and unobtrusive.

3.0 Planning principles

3.1 Preparatory work and substructure

Planning must be carried out by a specialist, taking appliance requirements and material properties into account. The substructure must be level, load-bearing, moisture-resistant and free from stress; it must not be rigidly connected to the building structure. Deformation or settlement of the furniture structure is not the responsibility of the stonemason.

3.2 Worktop depth

The dimensions of cut-outs, splashbacks and safety clearances must be taken into account.

3.3 Cut-outs

3.3.1 General

Openings for hobs, sinks and similar fittings must be planned and produced in accordance with the manufacturer's instructions and the material properties. Cut-out dimensions are provided by the customer; fitted components must be capable of being installed without constraint.

3.3.2 Web widths and web lengths

Minimum web width: ≥ 50 mm. Webs must not be used to carry the load of heavy fitted components; additional structural supports may be required. The designer must provide dimensionally stable supports in the base-unit area. Load-bearing capacity depends on the length, width, thickness and flexural tensile strength of the material. Because of their small cross-sections, webs must not be used as steps or seats due to the risk of breakage.

3.3.3 Special considerations for quartz composite and ceramic

The manufacturer's instructions regarding web widths, processing and edge treatment apply. Because of the greater brittleness, there is an increased risk of breakage with narrow webs or tight cut-outs; installation in accordance with the manufacturer's instructions is mandatory.

3.4 Flush installation

Flush installation of hobs, sinks and similar components requires a rebate or support strips; cut-out edges must be lightly bevelled. The appliance and material manufacturers' instructions are binding.

3.5 Slab joints

One-piece production is possible up to approximately 2,400 x 1,200 mm. Joints must be positioned above a load-bearing structure and safe transport must be ensured.

4.0 Connections/dimensional tolerances

- ♦ Joint widths: joints approximately 3 mm, wall connections approximately 5 mm (maximum 10 mm). Narrower joints are a special service.
- ♦ Thermal expansion of quartz composite: approximately 0.5 mm per 20°C and metre. ♦ Limit deviations: in accordance with ATV DIN 18332; for mitres ± 2 mm per side.
- ♦ Height offset: maximum 1 mm; flatness ≤ 2 mm/m. ♦ Bevels: 2.5-6 mm wide; a deviation of ± 1 mm is permissible.
- ♦ Cut-outs: dimensional tolerance +2 mm, centre-line deviation ± 10 mm. Maintenance joints must be checked regularly in accordance with IVD Information Sheet 23 and BIV Technical Information 002; damage caused by insufficient maintenance is not grounds for complaint.

5.0 Cleaning and care

- ♦ Natural stone: clean with neutral to mildly alkaline products (pH 7-10.5); do not use acidic or surfactant-rich cleaners.
- ♦ Quartz composite/ceramic: residue-free, colourless glass cleaner or products approved by the manufacturer.
- ♦ Cleaning after acceptance is a special service under ATV DIN 18332.

AMK Information Sheet 010 - Quality Requirements - August 2022 edition - extract

♦ 4.1 Worktop depth

For worktops designed to accommodate hobs or sinks, for example, the usable depth of the installed worktop should be at least 600 mm plus the thickness of the niche splashback and similar elements, excluding wall upstands. Requirements for webs under section 4.2.2 must also be observed.

- ♦ 4.2.1 Worktop cut-outs / general Openings for hobs, sinks and similar fittings must be professionally planned and produced, taking into account the relevant material-specific properties of the worktops and the dimensional and positioning information (installation instructions) supplied by the appliance or sink manufacturer. The distance between the hob and sink should be at least 300 mm. The distance between the hob and a tall unit at the side must be at least 300 mm.

♦ 4.2.2 Web length/web depth in worktops

To reduce the risk of breakage in slender webs, the underside of the webs must be reinforced with a suitable bracing material. To provide additional load-bearing capacity in the web area, the design planner must provide a bracing, dimensionally stable support in the base-unit area.

♦ 4.2.4 Corner formation in worktop cut-outs for hobs, sinks, etc.

The corners of cut-outs must be professionally produced with the minimum radius specified for the relevant worktop material in order to prevent cracking. A minimum radius of 4 mm applies to the corners of both the cut-out and the rebate.

◆ **4.2.3 Flush installation**

Slight warping in the surface of hobs, sinks and other fitted components may be present or expected as a result of manufacturing. In a flush installation, these irregularities can be aligned with the worktop surface only to a limited extent. Sinks must be installed lower (up to -1 mm or to the lower edge of the bevel) to compensate for tolerances in the sink. Hobs must be installed level with or slightly above the worktop (up to 1 mm) so that the possible heat effect from projecting hot pots does not act directly on the edge/worktop, for example causing stress cracks through thermal shock, and so that the edges are not damaged when pots are pulled off the hob.

◆ **Sawn joint edges/visible front edge at a joint**

Where these are in a non-visible area, such as the lower edge, reworking is not necessary provided that the performance characteristics are not impaired. **Warping/flatness**

For a slab as delivered or a fully installed slab, the measurement is taken, where possible, on the concave side. The measuring instrument must be longer than the slab dimension. The measured value is converted linearly to a reference length of 1 m. The deviation in the delivered and installed condition must not exceed 1.5 mm per linear metre.

◆ **5.3.2 Steam exposure**

For worktops with carrier boards made of hygroscopic materials that may swell, such as wood-based materials as opposed to solid stone slabs, the underside of the worktop above dishwashers and other appliances from which steam may escape must be protected against steam exposure. The protection must be at least 60 mm deep and extend at least 50 mm beyond each side of the appliance niche. If the 50 mm extension cannot be achieved for structural reasons, an alternative moisture barrier must be installed.

- **Additional Ludwig Schneider AG requirement:**

The above-mentioned protection against steam exposure is required for all Ludwig Schneider AG worktops.

◆ **5.3.3 Worktop lengths/depths** The slabs for the individual materials are not normally available in one constant and identical size. Worktops can generally be manufactured in one piece up to approximately 2400 mm in length. In individual cases, larger worktops can be produced in accordance with the available slab dimensions. Worktops can generally be produced up to a depth of 1300 mm. At depths of 1300 mm or more, a slab joint/joint seam must be expected. Joints must be located above a load-bearing structure. The person responsible for templating must ensure that the kitchen worktops or worktop sections can be transported through the building to their intended location (see DIN 18299, VOB Part C).

◆ **5.3.4 Supports and substructures for worktops**

Worktops with an attached or integrated window sill must be fixed to the cabinet/load-bearing element and not to the building structure, so that settlement does not create stress. Joints between window sills and worktops must be flexible.

◆ **5.4.1 Colour, gloss, lightfastness and structure** Differences in colour, gloss, texture and structure, as well as veins, inclusions, pores and lightfastness, are characteristic product properties, particularly in natural stone but also in quartz composite and ceramic. Hand samples are intended only as preliminary information for the end customer. The actual material should be sampled using the slab to be used. Under DIN 18332:2019, section 2.1.4, variations in colour, structure and texture within the same deposit are permissible. Material-specific hairline cracks, natural fissures and small pits in the natural stone structure are characteristic of the product and do not have to be filled.

◆ **5.4.2 Surface treatments** When producing drainboard areas and visible edges, for example, the different surface processing methods may result in variations in gloss and structure. Natural stone impregnation may need to be repeated at intervals depending on use.

◆ **5.4.4 Contrast marks** Contrast marks are deviations in colour and structure visible on the dry worktop at room temperature that arise during production and processing. Foreign inclusions, differently coloured pigments and similar features are permissible under DIN EN 14411 and DIN EN 15388.

Additional Ludwig Schneider AG installation points - extract

◆ **1.1 Installation involving electrical systems**

Following appropriate training/instruction, Ludwig Schneider AG employees are certified as "electrically skilled persons for defined activities" and have received instruction in sanitary systems. This means that our team may connect only the new hob and sink supplied by our client (the retailer) on site. Operational components such as sockets, light switches or lights that must be removed for installation may only be pulled through the worktop/splashback with their permanently connected cables. This creates a risk that a cable may become loose and interrupt the electrical circuit. If a cable becomes detached, it may be reconnected only by a qualified electrician. Ludwig Schneider AG employees cannot be held liable for this. A final inspection must be carried out by a qualified electrician before the system is put into operation. Water systems, such as systems with a hot-water function, are not worked on by us.

◆ **1.2 Worktop division/joints**

For lengths of approximately 2,400 mm or more, a worktop joint must normally be assessed and planned in accordance with the BIV and AMK information sheets. Ludwig Schneider AG determines the position of the joint.

◆ **1.2.1 Overlength worktops from 2,400 mm**

If a Ludwig Schneider AG technician determines that the site conditions permit the worktop to be delivered in one piece, this may be done up to a length of 3,000 mm. Please note that the ability to carry the worktop into the kitchen may be restricted by the site conditions, such as stairwells, doors and corridors. The section on overlength worktops applies.

◆ **1.2.2 Overlength worktops from 3,001 mm**

If the customer does not agree to the worktop being divided, the customer is responsible for transporting it into the property. Experience shows that a road closure and crane will usually have to be arranged. Ludwig Schneider AG fitters will take possession of the slab again only once it is in the kitchen. Our service in this case comprises delivery to the kerb and installation in the kitchen only. Because of the flexural tensile forces, breakage of a worktop longer than 3,001 mm cannot be ruled out while it is being placed in position. The end customer expressly accepts the risk of breakage. Any replacement production will be chargeable.

◆ **1.3 Silicone and acrylic**

Flexible joints require approximately 8 hours to set and dry. The worktops should not be used during this time. The final detailed cleaning must be carried out by the customer on the following day. We also point out that acrylic is a decorator's sealant and is not included in our contractual scope of work. At the customer's request, acrylic joints may be carried out solely as a goodwill service without warranty or subsequent remedial work, and must be painted over by the customer.

◆ **1.4 Splashbacks and splashback divisions**

Splashbacks require a perimeter joint for installation. In some circumstances, the splashback must be divided. Ludwig Schneider AG determines whether and where a joint is required. Further information can be found on page 89.

◆ **1.5 Planning information, installation information and instructions for use**

Further binding information can be found in the material-specific properties of the selected design on our website and in the videos on use and installation in our media library.

Quarry

PROCESS & ACCEPTANCE

FROM TEMPLATING



After your selected material has been extracted or produced, it passes through numerous stages before becoming the finished worktop. During templating, your kitchen is measured to the millimetre to achieve the best possible production result. During the production process, Ludwig Schneider AG will arrange an installation date with you. During final installation, the most important points will be discussed with you again.



Finished kitchen

Acceptance of the work in accordance with the German procurement and contract rules for construction work:

Acceptance of the kitchen worktop installation takes place immediately after final installation. If a representative is present, we, Ludwig Schneider AG, will apply the principles of apparent authority or authority by acquiescence. Authority by acquiescence exists where the customer knowingly allows another person to act as their representative and the contractor understands, and may reasonably understand, this acquiescence to mean that the person acting as representative is authorised. As this concerns knowing acquiescence, a single instance of allowing the person to act may be sufficient to establish authority by acquiescence. (Judgment of the Düsseldorf Higher Regional Court dated 11 April 2013, case no. 5 U 127/12) (Federal Court of Justice, order dated 11 March 2020 - VII ZR 291/17)



Available from the following authorised specialist retailer:

The information in this Product Guide describes the agreed or reasonably expected characteristics insofar as it is applicable to the specific product ordered. Individual information in the purchase contract, order confirmation and material-specific manufacturer documentation takes precedence over the general information in this Product Guide. Printing, typesetting and obvious presentation errors are reserved. The customer's statutory rights remain unaffected. This publication, including all of its parts, is protected by copyright. Any use outside the narrow limits of the German Copyright Act is prohibited and punishable without the written consent of Ludwig Schneider AG. This applies in particular to photocopies or other processes, reproductions of any kind, translations, microfilming, and storage or processing in electronic systems or machines, especially where these activities accompany or form part of commercial activities. Important: Any colour differences between the illustrations in this Product Guide and the product are caused by the printing process and cannot be avoided.

Kitchen worktops

made from natural stone, quartz composite, ceramic and Dekton

+ splashbacks

made from safety glass



**Ludwig Schneider
Denkmale & Steinbau AG**

**Gewerbepark 6-8
08258 Markneukirchen
Germany**

www.L-Schneider-AG.de

Tel.: +49 / 37 422 40 22 - 0

Fax: +49 / 37 422 40 22 - 10

Email: info.markneukirchen@L-Schneider-AG.de



Item No.: PP