KLB KÖTZTAL

KLB systems for commercial kitchens, catering and food processing areas

Professional coating systems for the most challenging environments

Hygienic in every respect

Floorings in food processing must meet high hygiene standards. An excellent resistance to frequent cleaning with aggressive detergents or other chemicals forms the basis for functional coatings in these areas of application. The advantage of a jointless installation is the avoidance of dirt accumulation.

Information on the correct cleaning of KLB reactive resin coverings in the food industry and kitchen areas can be found on our website in the download section of each system.

Watertight connections and drains

The key to a reliably waterproof kitchen floor is attention to details – connections to walls, appliance bases and gutters as well as planning for expansion joints. The coating systems must ensure a permanent sealing level to the substrate. We are happy to support you with technical advice and our know-how on planning or realising kitchen floors.

On page 14/15 you will find more information on detailed solutions and waterproofings in kitchens.

Suitable floorings for all kitchen surfaces

Every area of a kitchen has its own flooring requirements. KLB systems offer the possibility of creating a uniform-looking floor with different slip resistance grades and characteristics. From the sinks to the freezer.

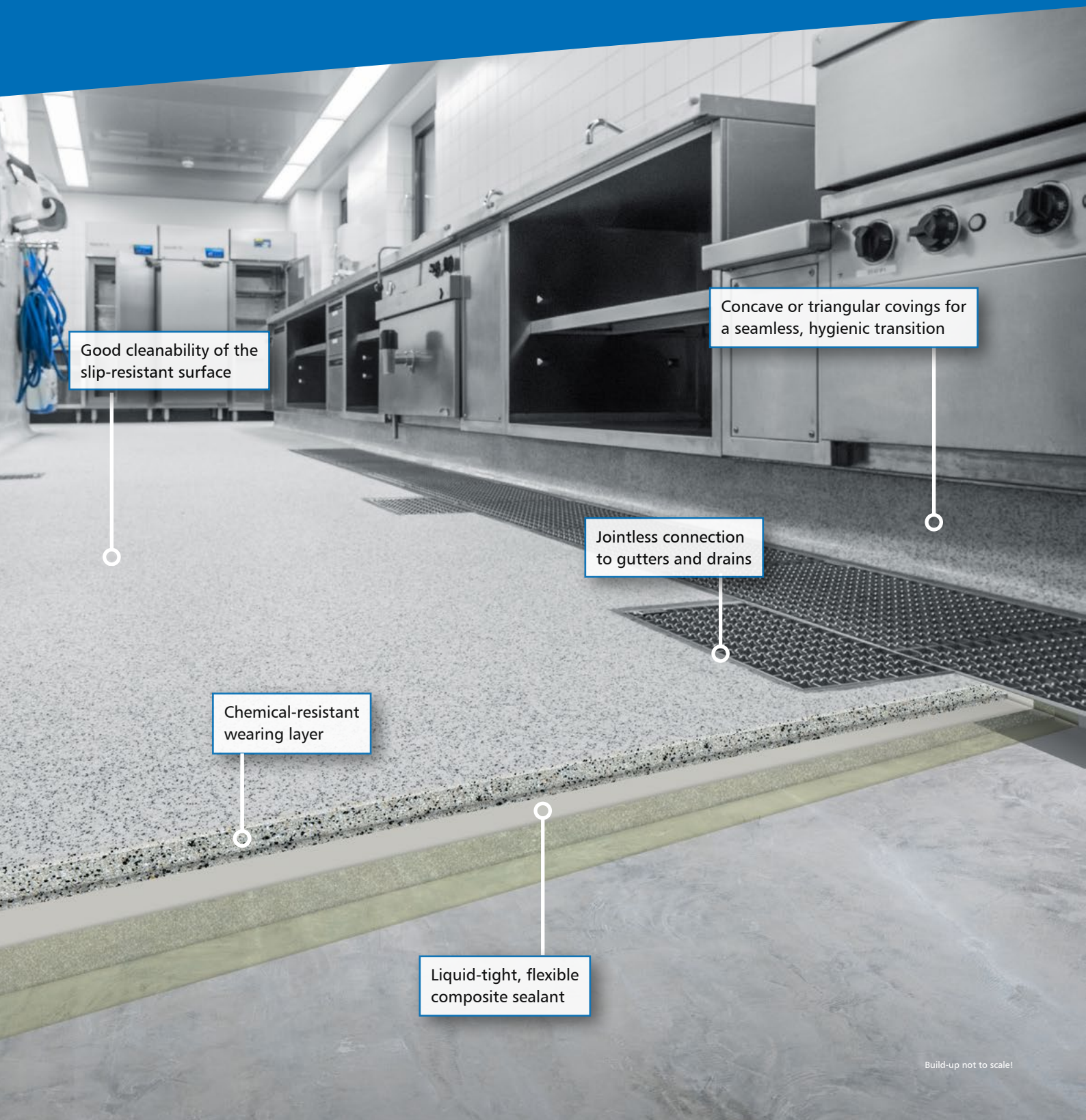
KLB KÖTZTAL

Content

Edition 03/2024

KLB KITCHEN SYSTEMS

Coatings for long-term technical and visual performance at the highest level.



1.

Kitchen flooring requirements and characteristics

What are the advantages of **KLB KITCHEN** systems?

Things often hot up in kitchen and food areas. Here, the coatings are exposed to strong external influences on a daily basis: serving trolleys or cooking utensils that fall over require high mechanical stability and reliable slip resistance at the same time. Hot water, grease or oil cause strong temperature fluctuations on the coating surface and around connections. Cleaners and other chemical substances, such as dyes or tanning agents attack the floor and can have a discolouring or even destructive effect. A flooring in kitchens and food processing must therefore be robust enough to maintain its performance over the long term.

Traditional kitchen coverings (e.g. made of ceramics or similar) are increasingly being replaced by reactive resins. This modern type of coating with our tested and certified **KLB KITCHEN** systems offers many significant economic advantages, both in **new construction** and in the **renovation** of industrially or commercially used kitchens, as well as in all other areas of the food industry.

Such synthetic resin floorings are particularly effective in terms of hygiene: a kitchen floor must be **easy to clean** and able to withstand the use of aggressive **cleaning agents or chemicals** without any problems and also permanently **higher water temperatures** without any visual or technical alterations. The **jointless installation** of a reactive resin coating offers the best hygienic standards. Possible dirt accumulation in joints, on gutters and drains, or on high-rising components and wall connections is minimised, and the floor can be kept **hygienically clean** by professional cleaning.

In addition to high sanitation requirements, the covering must guarantee **occupational safety** and have a defined **slip resistance, even when wet.** This enables safe footing and tread, also with rotational movements of the foot when walking around corners, and thus promotes healthy work ergonomics. The KLB systems offer anti-slip levels from R10 to R12.

These advantageous surface properties of a kitchen coating are complemented by its **high mechanical load-bearing capacity**, which reduces the risk of damage to the floor from falling objects. Even moving boxes and running trolleys over it is no problem for the **robust scattering layer.**

Kitchen floorings are always installed with a **crack-bridging composite waterproofing**: it is well adjusted, chemically resistant and liquid-tight. This sealing coat is applied to all building components, pipes, wall connections, drains or gutters and, if necessary, sealed in with additional sealing ribbons and sleeves. In this way, the building is permanently protected against water and moisture penetration.

With their high-performance characteristics, **KLB kitchen floors** offer durable, hard-wearing surfaces and a strong, watertight system bond for realising modern food and kitchen areas. This makes a KLB coating an economical investment that elevates kitchen floors to a new level, both visually and technically.

STANDS OUT BY STATE-OF-THE-ART FEATURES

Areas of application:
Food industry / meat, fish, bakery, beverages, kitchens, etc.
Areas where low-emission coatings are required
Show cooking with high demands on a decorative look

2.

KLB's top-of-the-line coating: modern, low-emission and flexible

KLB KITCHEN LOW-VOC PU

Perfectly harmonised individual components form the basis for our KLB systems. With the **H2 KLB KITCHEN LOW-VOC PU system**, we have available a proven, state-of-the-art coating solution for almost all kitchen surfaces.

It shines above all in heavily used commercial kitchens and has been tested by the "Kiwa GmbH Polymer Institut" for its long-term usability and technical performance.

The selection of **KLB-Colorsand CQS-46xx** coloured sands in combination with the glossy surface of our top sealer **KLB-SYSTEM POLYURETHAN PU 484**, which is lightfast, highly transparent and insensitive to stains or chemicals, makes this flooring a technical and visual highlight in the food sector or in the kitchen.

The coating system complies with the requirements posed by "Indoor Air Comfort Gold " Label version 6.0 (2017) which guarantees regular testing and confirmation of the system's low emissions. The components of this build-up have been certified for sustainable building according to DGNB, LEED or Minergie ECO.

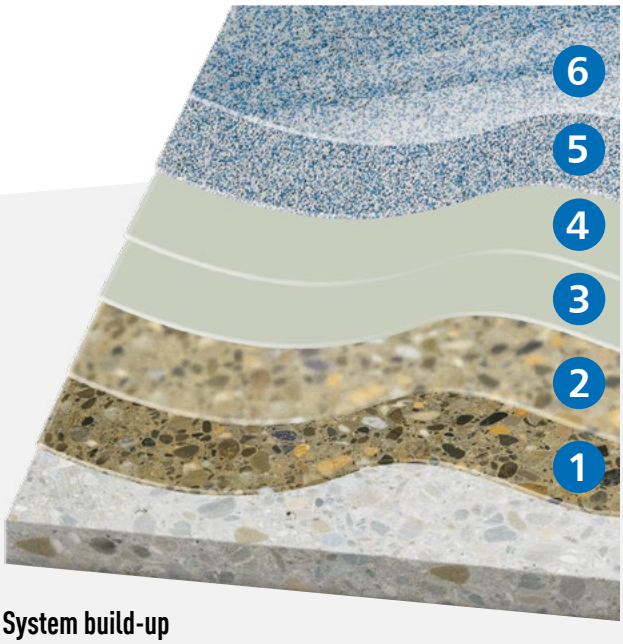
System H2
KLB KITCHEN LOW-VOC PU

Low-emission, slip-resistant polyurethane coating for kitchens

System features
- resistant to hot water up to 90 °C / 149 °F
- resistant to chemicals and staining
- fire behaviour classification B_{fl}-s1
- impervious to fluids
- low-grade yellowing
- highly resistant to mechanical loads
- statically crack-bridging
- low-VOC (AgBB)
- suitable for use in foodstuffs (PU 420, PU 484)
- approval from EAD 030352-00-0503 (ETAG 022) and following PG AiV-N (draft version of July 2021) (CW 510)

Surface: glossy
Tested slip-resistance grades:
R10, R11 - V4 and V6, R12 - V6

For more information on this system, see:
www.klb-koetztal.de/en/systems/system-h2/



System build-up

6. Top sealer **KLB-SYSTEM POLYURETHAN PU 484**
5. Base coat with **KLB-SYSTEM POLYURETHAN PU 424,** filled with mixed sand **KLB-Mischsand 3/1,** then fully scattered with coloured sand **KLB-Colorsand CQS 46xx**
4. 2nd waterproofing layer **KLB-SYSTEM ABDICHTUNG CW 510**
3. 1st waterproofing layer **KLB-SYSTEM ABDICHTUNG CW 510**
   please observe the system information for details on the application
   alternative: waterproofing layer with **KLB-SYSTEM POLYURETHAN PU 420**
2. Scratch coat with **KLB-SYSTEM EPOXID EP 53 Spezialgrund-AgBB** and mixed sand **KLB-Mischsand 2/1**, openly scatterd with **KLB quartz sand**
1. Primer
   KLB-SYSTEM EPOXID EP 53 Spezialgrund-AgBB

ROBUST, ECONOMICAL AND RELIABLE

Areas of application:
Food industry / meat, fish, bakery, beverages, kitchens, etc.
Areas with particularly high demands on hygiene

3.

Our bestseller for kitchens: reliable and tested within the system.

KLB KITCHEN EP Standard

Our **H1 KLB KITCHEN EP Standard system** has proven itself over many years in daily use in large kitchens and food processing areas. The individual components combine to create a watertight system with an extremely robust surface.

In a build-up with **KLB-SYSTEM EP 290 Flex**, tested as kitchen coating by the "Kiwa GmbH Polymer Institut", the system shows its strengths mainly in heavily frequented kitchen areas. The watertightness and durability of the kitchen flooring are particularly important to guarantee long-term use and functionality.

The available colours of **KLB-Colorsand CQS-46xx** enable modern and matching colour concepts.
The system is completed by the chemical-resistant and hygienic matt sealer **KLB-SYSTEM EPOXID EP 860 Clean:** this solvent-based product achieves excellent results in terms of chemical stability and permanent wet exposure in a wide range of kitchen coating applications.

By testing for bacteriostatic activity, it offers permanent preventive protection against pathogens. Which provides the perfect basis for the highest standards of hygiene.

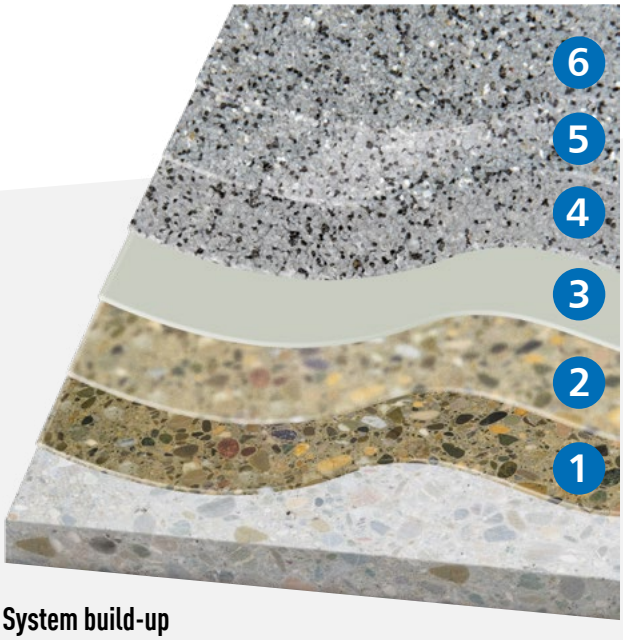
System H1
KLB KITCHEN EP Standard

Slip-resistant epoxy resin coating for kitchens

System features
- resistant to hot water up to 65 °C / 149 °F
- resistant to chemicals
- impervious to fluids
- highly resistant to mechanical loads
- crack-bridging
- fire behaviour classification C_{fl}-s2
- suitable for use in foodstuffs according to § 31 para. 1, German Food and Feed Code (LFGB) (EP 860)
- bacteriostatic activity according to ISO 22196:2011-08 and JIS 2801:2000 (EP 860 Clean)

Surface: matt
Tested slip-resistance grades:
R10 - V6, R11 - V6, R12 - V4, V6 and V10

For more information on this system, see:
www.klb-koetztal.de/en/systems/system-h1/



System build-up

6. Matt sealer **KLB-SYSTEM EPOXID EP 860 Clean**
5. Top sealer **KLB-SYSTEM EPOXID EP 175 Spezial**
4. Base layer with **KLB-SYSTEM EPOXID EP 216**, fully scattered with coloured sand **KLB-Colorsand CQS-46xx**
3. Composite sealant **KLB-SYSTEM EPOXID EP 290 Flex**
2. Scratch coat with **KLB-SYSTEM EPOXID EP 52 Spezialgrund** and mixed sand **KLB-Mischsand 2/1**, openly scattered with **KLB quartz sand**
1. Primer **KLB-SYSTEM EPOXID EP 52 Spezialgrund**

OPTIMISED FOR SHORT DOWNTIMES

Areas of application:
Food industry / meat, fish, bakery, beverages, kitchens, etc.
Quick refurbishment / short renovation times overnight or on weekends

4.

The fast kitchen floor: using special PMMA binders

KLB KITCHEN PMMA Standard

The specialties of the **H3 KLB KITCHEN PMMA Standard system** are the short renovation time as well as the processing and curing at low temperatures.

With this system, it is possible to carry out repair and construction works in very narrow time windows. The individual layers harden completely in just 1-2 hours and can be reworked or walked on after just one hour. The finished coating is immediately waterproof and food-safe when cured.

Compared to 2-component epoxy or polyurethane resin coatings, the hardening of a PMMA system is also less dependent on the ambient temperature. PMMA binders are cold-curing down to 0 °C / 32 °F and, in special formulations, even down to -25 °C / -13 °F. This means that renovations in deep-freeze or refrigerated areas can be carried out without lengthy defrosting and re-cooling.

The silky matt surface is UV-resistant and does not chalk. Good resistance to acids, bases and typical cleaning agents used in the food industry completes the system's performance profile.

Another advantage during installation is the material's lower sensitivity to an increase in relative humidity. However, the dew point must be checked!

* Food must be removed from the cold room during renovation work to avoid any changes in taste or smell.

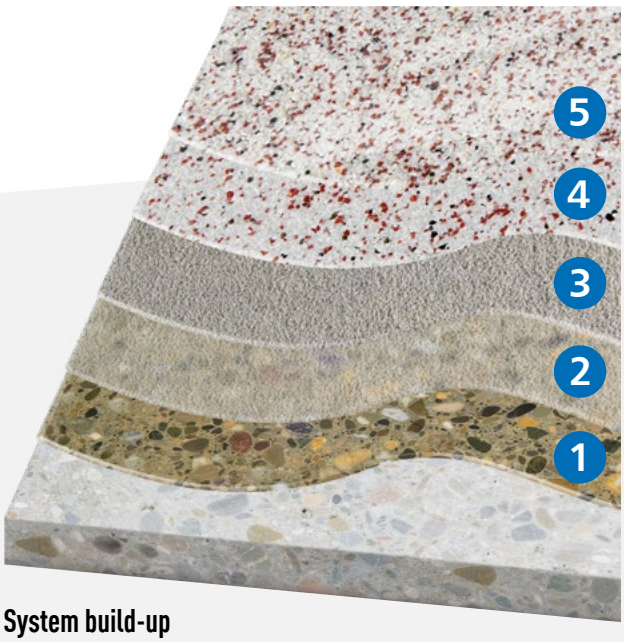
System H3
KLB KITCHEN PMMA Standard

Rapid-setting, slip-resistant PMMA coating for kitchens

System features
- resistant to hot water up to 65 °C / 149 °F
- resistant to chemicals and staining
- impervious to fluids
- highly resistant to mechanical loads
- curing at low temperatures (in special formulation up to -25 °C / -13°F)
- suitable for use in foodstuffs according to § 31 para. 1, German Food and Feed Code (LFGB) (AC 826)

Surface: silk-matt
Tested slip-resistance grades:
R10 - V6 and V8, R12 - V6 and V8, R13 V6

For more information on this system, see:
www.klb-koetztal.de/en/systems/system-h3/



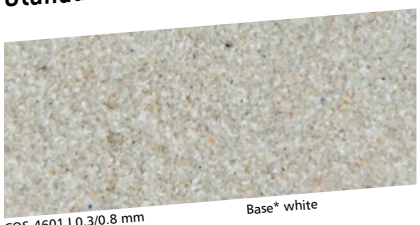
System build-up

5. Top sealer **KLB-SYSTEM ACRYL AC 826**
4. Base coat with **KLB-SYSTEM EPOXID AC 313,** filled with mixed sand **KLB-Mischsand 2/1,** then fully scattered with coloured sand **KLB-Colorsand CQS-46xx**
3. Membrane layer with **KLB-SYSTEM ACRYL AC 390** and mixed sand **KLB-Mischsand 2/1**
2. Scratch coat with **KLB-SYSTEM ACRYL AC 313** and mixed sand **KLB-Mischsand 2/1**
1. Primer **KLB-SYSTEM ACRYL AC 20,** scattered with quartz sand **KLB-Quarzsand 0.7/1.2 mm**

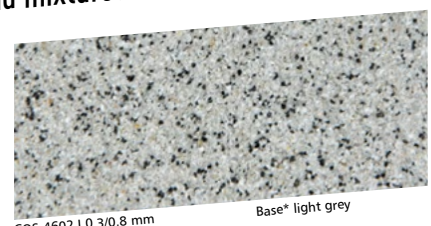
COLOUR CONCEPTS FOR KITCHEN FLOORS

Uniform colours for different flooring requirements

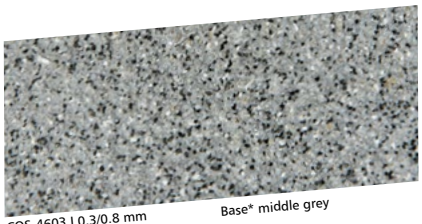
Standard colours for KLB coloured sand mixtures CQS for scattered coatings:



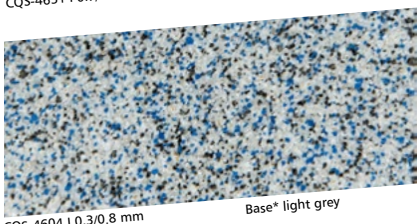
CQS-4601 I 0.3/0.8 mm
CQS-4651 I 0.7/1.2 mm
Base* white



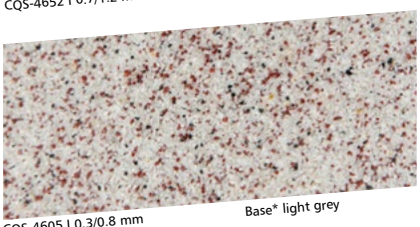
CQS-4602 I 0.3/0.8 mm
CQS-4652 I 0.7/1.2 mm
Base* light grey



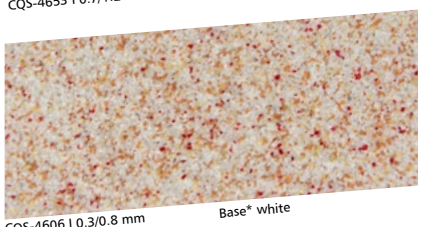
CQS-4603 I 0.3/0.8 mm
CQS-4653 I 0.7/1.2 mm
Base* middle grey



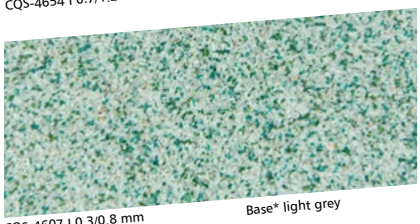
CQS-4604 I 0.3/0.8 mm
CQS-4654 I 0.7/1.2 mm
Base* light grey



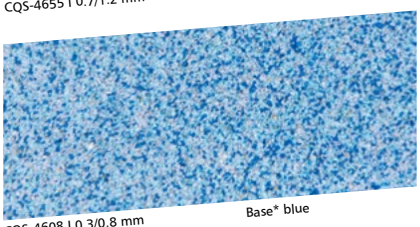
CQS-4605 I 0.3/0.8 mm
CQS-4655 I 0.7/1.2 mm
Base* light grey



CQS-4606 I 0.3/0.8 mm
CQS-4656 I 0.7/1.2 mm
Base* white



CQS-4607 I 0.3/0.8 mm
CQS-4657 I 0.7/1.2 mm
Base* light grey



CQS-4608 I 0.3/0.8 mm
CQS-4658 I 0.7/1.2 mm
Base* blue

*** Base:**
Colour of the base layer.

Standard colours are available from stock, in minimum quantities of 25 kg.

Special colours or colour mixtures are available in minimum quantities of 1.000 kg net. Please note the extended delivery

5.

Colour variety of the KLB KITCHEN systems

Your individual design options for kitchen floor concepts

A well thought-out selection of the coloured sand **KLB-Colorsand CQS-46xx** makes it possible to create kitchen coatings of the highest visual quality. Sand mixtures form an extremely robust, wear-resistant and durable surface: ideal for areas where heavy loads such as boxes or serving trolleys are pushed back and forth on the floor or where pots, pans and other objects occasionally fall down.

The colour-stable **KLB-Colorsand CQS-46xx** is available in eight different colour combinations, each of which also in grain sizes 0.3/0.8 mm (code CQS-460x) and 0.7/1.2 mm (code CQS-465x), allowing different degrees of slip resistance. The mixes are very easy to spread and use.

Sand mixtures of the same colour in different grains offer a particular advantage: they can be used to create a floor with a uniform appearance and adaptable slip resistance grades (R10 - R12).
However, it is also possible to choose contrasting colours for areas of different use and slip hazards. For example, floorings with high anti-slip requirements can be separated from surfaces with special hygiene standards by colour.

The high degree of surface texture due to different non-slip levels presents a further challenge for cleaning reactive resin coatings in these areas. Separate cleaning and maintenance recommendations can be downloaded from the respective system on our website.

6.

With us you are always one step ahead, not only on the floor.

Coating solutions “in one single wipe” with KLB WALL systems

Critical to the floor installation are the transitions between floor and walls: it is not unusual for materials with different characteristics to be used at this point. When choosing a covering based on reactive resins, such as epoxy, polyurethane or PMMA (acrylic resin), we can recommend our KLB WALL systems to achieve optimum results in project execution.

Their great advantage is that both floor and wall surfaces can be sealed in one step if required, which makes them hygienic, seamless and easy to clean. This allows the best solution to be developed for your specific kitchen flooring requirements.

Thanks to the time saved by shorter coordination cycles during project planning, you benefit from less communication effort when consulting our experts and thus avoid misunderstandings that can lead to construction delays.

Even if you only need partial coatings for certain areas of the kitchen, we are your reliable partner. We have already successfully installed connections to other building materials in many projects.

If a composite waterproofing is required, a kitchen flooring can be installed in one wipe using **KLB-SYSTEM ABDICHTUNG CW 512** on the wall and **KLB-SYSTEM ABDICHTUNG CW 510** on the floor. Based on EAD 030352-00-0503 (former ETAG 022) and PG AiV-N (draft version from July 2021), entire kitchen areas can thus be coated according to water exposure class W3-I in compliance with DIN 18534. For installation recommendations, please contact your regional sales representative.

System N2
KLB DECOR WALL LOW-VOC PU

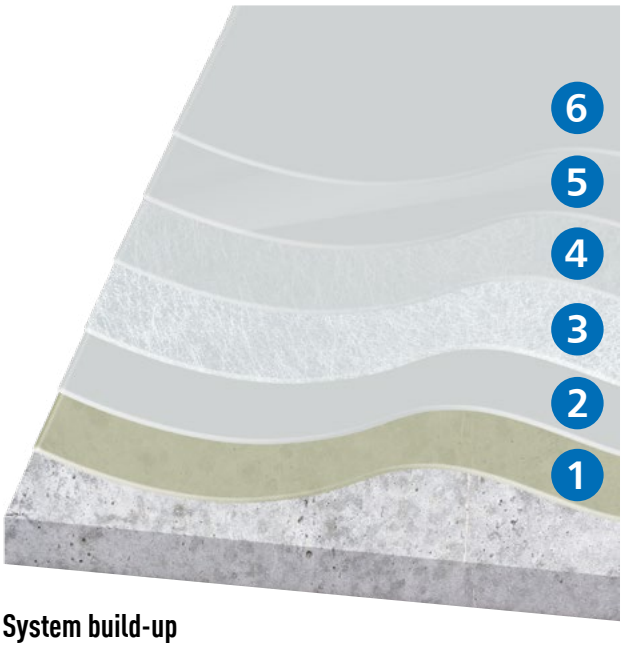
Low-emission, decorative and smooth coating for walls or ceilings

System features
- low-VOC (according to EUROFINS GOLD)
- elastic
- decorative
- impervious to fluids
- good cleanability
- thermal load-bearing capacity up to 65 °C / 149 °F
- suitable for use in foodstuffs according to § 31 para. 1, German Food and Feed Code (German law LFGB)
- preventive protection against bacterial contamination PU 881 Clean (based on ISO 22196:2011-08 and JIS 2801:2000)

Surface: silk-matt, smooth

Typical areas of application
- Decorative wall coating to fulfil high visual demands
- Jointless, hygienic wall coverings
- Application on walls and ceilings

For more information on this system, see:
www.klb-koetztal.de/en/systems/system-n2/



System build-up

6. Coloured matt sealer **KLB-SYSTEM POLYURETHAN PU 806 E Wall**
   Recommendation for food processing and wet areas: application of a second sealing layer with PU 811 E Wall or **PU 880**
5. Second fine trowelling layer with **KLB-SYSTEM POLYURETHAN PU 662**
4. Fine trowelling with **KLB-SYSTEM POLYURETHAN PU 662**
3. Wall coating with **KLB-SYSTEM POLYURETHAN PU 662** and reinforcement fleece **KLB-Armierungsvlies VA 1044**
2. Levelling layer with **KLB-SYSTEM POLYURETHAN PU 662**
1. Primer **KLB-SYSTEM EPOXID EP 727**

System N1
KLB INDUSTRIAL WALL EP

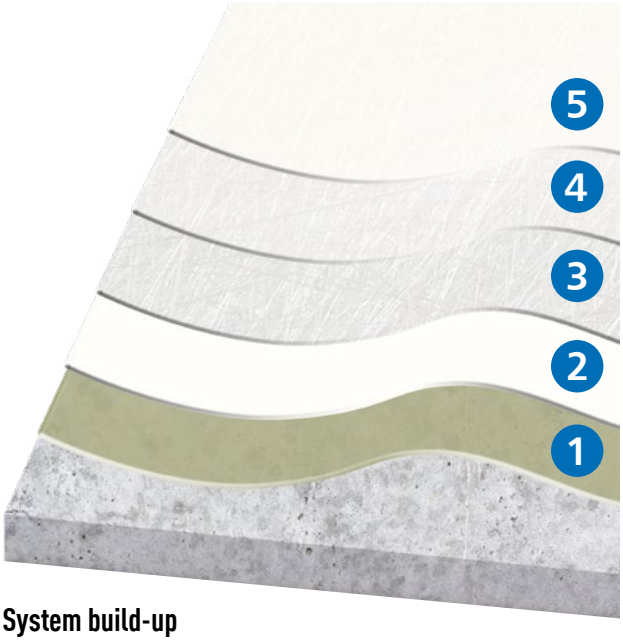
Reinforced epoxy resin coating for walls and ceilings

System features
- pore-free structure
- resistant to chemicals
- capable for wet rooms
- impervious to fluids
- solvent-free
- thermal load-bearing capacity up to 65 °C / 149 °F
- robust

Surface: glossy, structured

Typical areas of application
- Jointless, hygienic wall coverings
- Wall surfaces that require cleanable and disinfectable coatings

For more information on this system, see:
www.klb-koetztal.de/en/systems/system-n1/



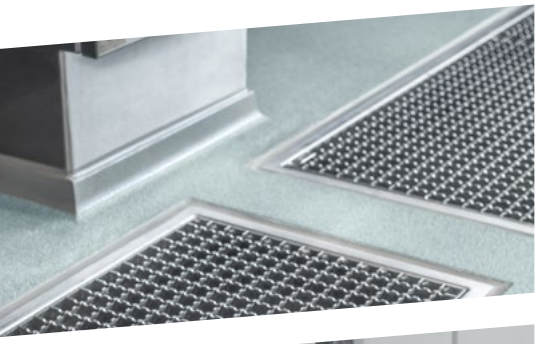
System build-up

5. Optional: second sealing layer with **KLB-SYSTEM EPOXID EP 699 S**
4. Top coat **KLB-SYSTEM EPOXID EP 699 S** applied in wet
3. Base layer **KLB-SYSTEM EPOXID EP 699 S** and glass fibre mat **Armierungsvlies VA 125 x 300** to be inserted/laminated into the fresh coating
2. Optional: cavity filler with **KLB-SYSTEM EPOXID EP 699 S** and suspending agent **KLB-Stellmittel 3 Super**

7.

Solutions for details on floor or wall connections, gutters, drains and penetrations

Protection for the building and substrate



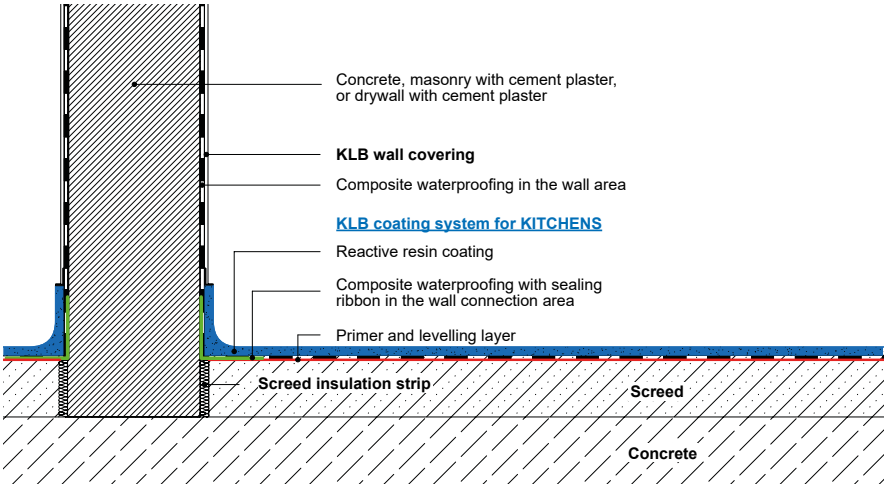
Waterproofings are essential in kitchens for reasons of hygiene and structural protection. Water penetration on large kitchen surfaces often requires complete renovation of the underlying building components. In our coating systems, a waterproof and crack-bridging reactive resin membrane layer acts as a seal to the substrate. It is applied over building elements, pipes, wall transitions, drains or gutters and thus permanently protects the subfloor (with at least 5 cm overlap to all connections). Its flexibility provides excellent protection against temperature fluctuations.
Testing of a kitchen system usually includes the coating's waterproofing effect.

The detailed drawings shown below are proven suggestions for composite connections between floor and walls, floor drains as well as pipe penetrations. However, depending on the project requirements, each design should be consulted individually. Any adaptation or modification of the structural conditions on-site must be agreed in detail with the architect. Do not hesitate to ask our Technical Sales Service for advice.

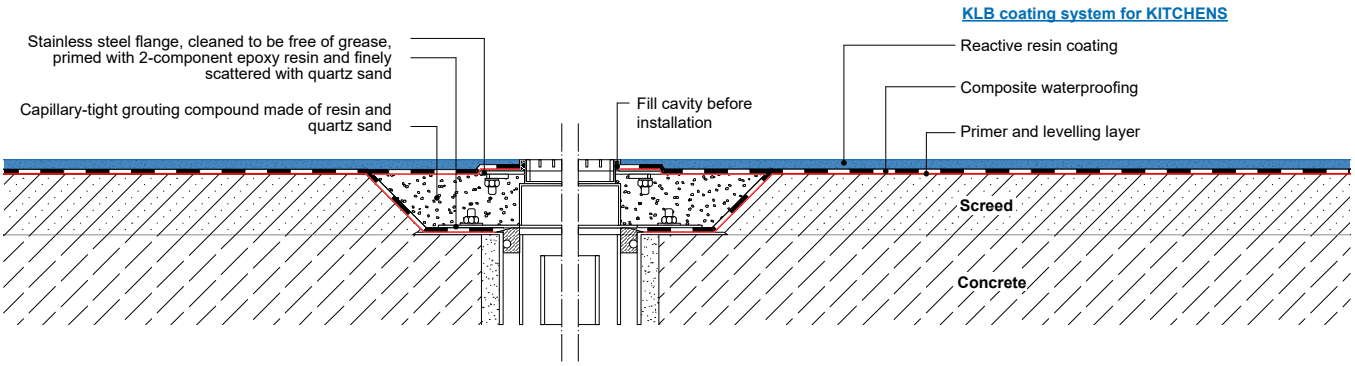
Feel free to contact us for a customised solution for your kitchen project using a KLB KITCHEN system. With matching sealing ribbons and wall sleeves from the KLB range, wall and floor connections as well as penetrations and lead-throughs can be professionally sealed and made jointless. You can find this equipment in the KLB tool catalogue.

Composite floor-wall connections – with concave covings

At the transition between wall and floor in areas exposed to wet loads, it is particularly important to carry out the composite waterproofing over the corner. Careful incorporation of sealing ribbons and corners ensures that the building fabric is protected against penetrating liquids. By forming a concave or triangular coving, possible accumulation of dirt in hard-to-clean joint areas can be avoided, which allows to create a watertight floor-wall connection.



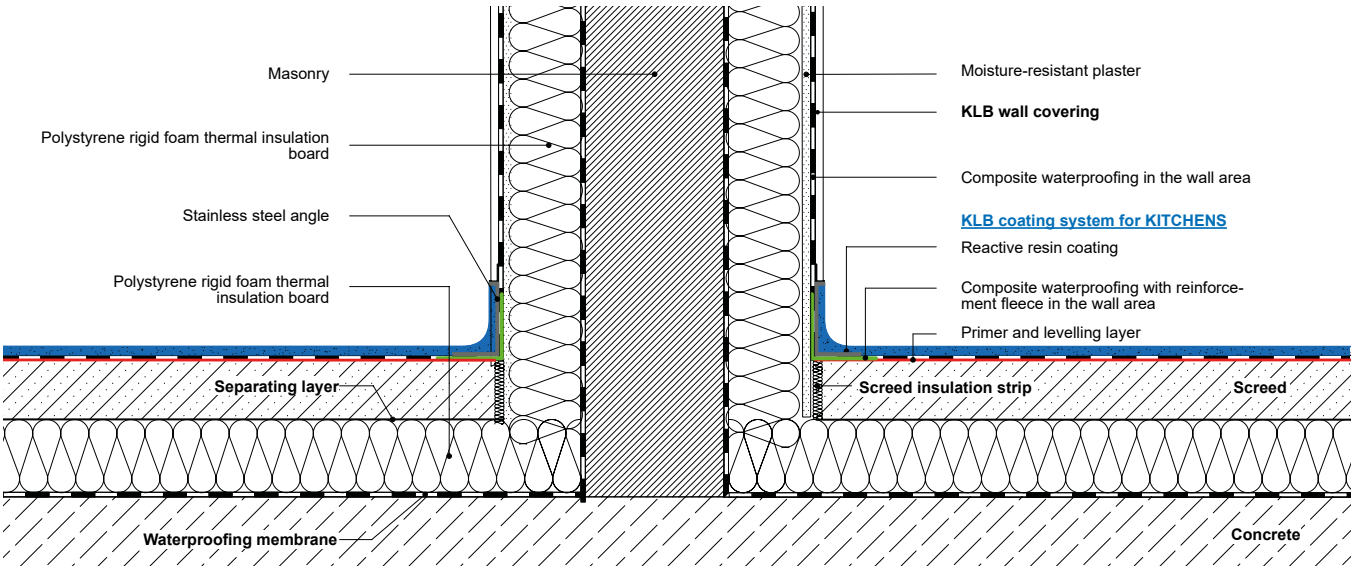
Composite connection of drains and gutters to the floor



Drains in the ground have a particularly large number of danger points where water or other substances can penetrate. For this reason, a flexible reactive resin waterproofing layer must be installed right up to the connecting flange to effectively seal the entire floor construction. For optimum adhesion, the flange must be cleaned to be free of grease, then prepared for the application of the sealing level using a 2-component epoxy resin primer and open scattering with KLB quartz sand. Cavities that form when installing gutters or drains should be filled with a capillary-closing mortar resin mixed with KLB quartz sand or a suitable swelling compound, then finished with another sealing layer in the system build-up.

Conventional wall connection in cold rooms with insulation

In many kitchens, refrigeration and freezer rooms are set up for storing food. Here it is very important that, in addition to "watertightness", there do not occur any thermal bridges: these can lead to a shift in the dew point and thus to the formation of moisture or mould in the building. Therefore, such rooms are often insulated. Sealing the transition between an insulated floating floor construction and the cooling unit requires the applicator to consider detailed solutions, that must be planned for and executed with the utmost care. To absorb the movements of the floating screed around the wall connection, flexible sealing ribbons are incorporated into the composite waterproofing layer and formed into loops in the corner area. This absorbs larger vertical movements of the screed. The coating is pulled upwards to a concave coving that is decoupled from the wall. An elastic joint is formed between the wall and the flooring to compensate for the movements.



For recommendations on details and connections according to DIN 18534, follow technical directive "VdF-070: Floors in commercial kitchens" of the German Association of Professional Planners. The detail solutions shown here contain the current status of technology: as their requirements vary from building to building, they are only of exemplary nature. Planning the installation of the kitchen floor is the responsibility of the project's architect or specialist planner. Knowing the structural conditions on site, they must ensure that the execution is adapted to the building. KLB Kötztal GmbH accepts no liability in the event of incorrect or improper installation of the kitchen coating. However, we will be happy to support you in the planning and execution of individual connections and details. You are welcome to contact us by mail or phone.

8.

In case of rough surroundings:

CHEMORESIN PU-BETON meets the toughest requirements

For a maximum of mechanical, thermal and chemical stability, e.g. as required in the food industry, our **CHEMORESIN PU-BETON** systems are the right choice. The KLB **PU-BETON** systems have been proving themselves in permanent use under extreme loads for years already – now they are available under the new **CHEMORESIN PU-BETON** brand.

The high-quality, trowelable 3-component polyurethane mortar coatings impress with their exceptionally high stability to temperatures and to mechanical loads such as those from industrial trucks as well as from chemical substances or cleaning agents. The high thermal resistance of our **CHEMORESIN PU-BETON 4009** (130 °C / 266 °F with moist heat and 150 °C / 302 °F with dry heat) ensures that the floor covering retains its robustness even with large temperature fluctuations.

Thanks to the complementary system components, the coatings can be adjusted to different degrees of slip-resistance (R9 - R13) and installed in layer thicknesses of 6 - 9 mm. The economical version **CHEMORESIN PU-BETON 4004** provides a layer thickness of only 4 mm. By adding **CHEMORESIN PU-BETON 4094 KAT**, hardening times can be accelerated in a controlled way.

Typical areas of application are breweries, dairies, slaughterhouses, butcheries, the chemical industry, beverage processing, the milk or meat industry as well as many other areas that place high demands on technically robust floors.

The following external test certificates are available for CHEMORESIN PU-BETON:

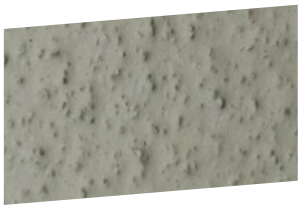
- fire behaviour classification B_{fl}-s1 based on DIN EN 13501-1: hardly inflammable
- Determination of the slip-resistance according to DIN EN 16165 (Method B: Test by walking on an incline with shoes on): R9, R10, R11, R12, R13
- suitable for use in foodstuffs according to § 31 para. 1, German Food and Feed Code (LFGB)

CHEMORESIN

Further information on the **CHEMORESIN PU-BETON** systems can be obtained from our brochures and processing instructions. Please contact us for an overview of the requirements for the application of CHEMORESIN PU-BETON.

Available colours of CHEMORESIN PU-BETON

Beige



Grey

Red

Green

System I1
CHEMORESIN PU-BETON Standard

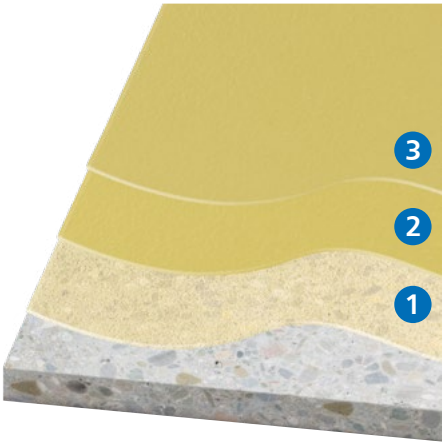
Slightly non-slip industrial floor coating for wet areas exposed to hot water and chemicals

Surface: matt

Thermal load-bearing capacity:
CHEMORESIN PU-BETON 4004 up to 70 °C / 158 °F
CHEMORESIN PU-BETON 4006 up to 90 °C / 194 °F
CHEMORESIN PU-BETON 4009:
up to 130 °C / 266 °F (with moist heat)
up to 150 °C / 302 °F (with dry heat)

Slip-resistance: adjustable by scattering in
- in R9 (without PU-BETON 4080)
- in R10 (with PU-BETON 4080)

For more information on this system, see:
www.klb-koetztal.de/en/systems/system-i1/



System build-up

3. Top sealer **CHEMORESIN PU-BETON 4080**
2. Mortar coating with **CHEMORESIN PU-BETON 4004 / 4006 / 4009**
1. Primer **CHEMORESIN PU-BETON 4051**

System I2
CHEMORESIN PU-BETON RX

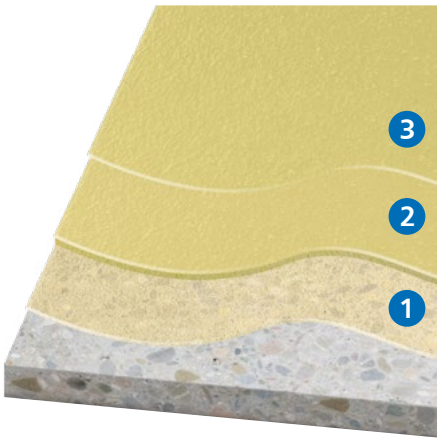
Industrial floor coating for wet areas exposed to hot water and chemicals, with a slip-resistant surface

Surface: matt

Thermal load-bearing capacity:
CHEMORESIN PU-BETON 4004 up to 70 °C / 158 °F
CHEMORESIN PU-BETON 4006 up to 90 °C / 194 °F
CHEMORESIN PU-BETON 4009:
up to 130 °C / 266 °F (with moist heat)
up to 150 °C / 302 °F (with dry heat)

Slip-resistance: adjustable by scattering in
- R11 with quartz sand **KLB-Quarzand 0.3/0.8 mm**
- R12 with corundum **Korund 0.5/1.0 mm**
- R13 with corundum **Korund 0.7/1.2 mm**

For more information on this system, see:
www.klb-koetztal.de/en/systems/system-i2/

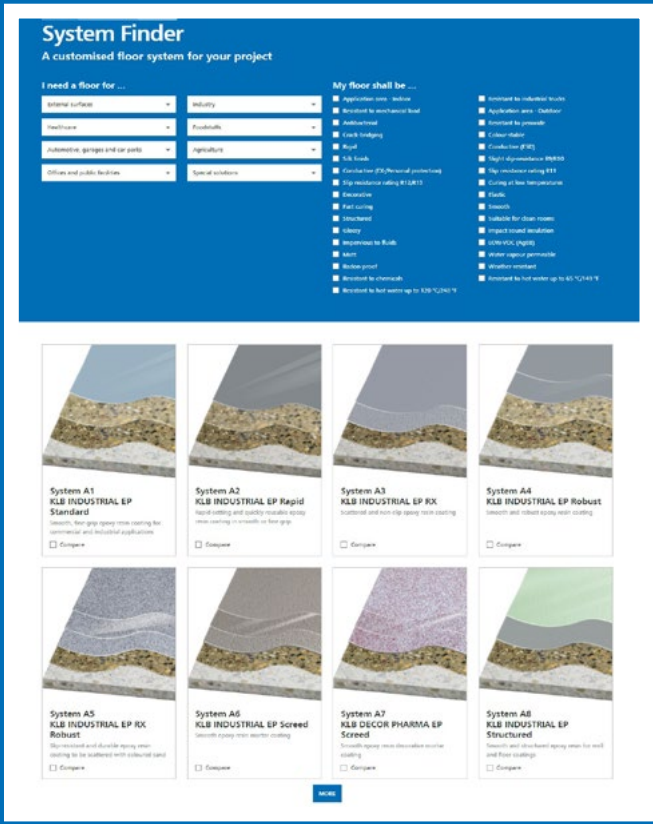


System build-up

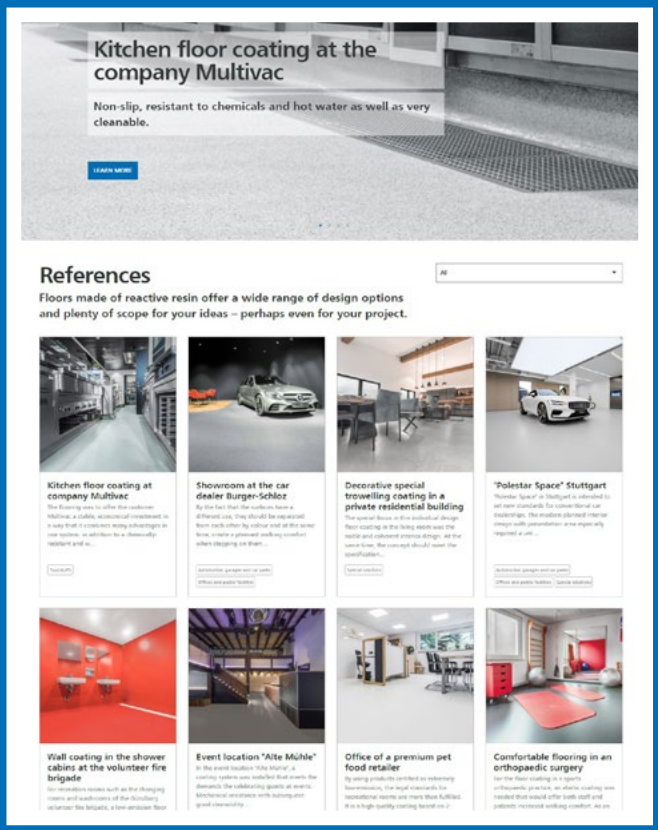
3. Top sealer **CHEMORESIN PU-BETON 4080**
2. Mortar coating with **CHEMORESIN PU-BETON 4004 / 4006 / 4009** with scattering, depending on the desired slip-resistance*: see list on the left*
1. Primer **CHEMORESIN PU-BETON 4051**

The systematic approach to great flooring.

You can find more systems, references and brochures on our website:



www.klb-koetztal.de/en/systemfinder



www.klb-koetztal.de/en/klb-references

KLB KÖTZTAL

KLB KÖTZTAL Lacke + Beschichtungen GmbH
Günztalstraße 25
89335 Ichenhausen, GERMANY
info@klb-koetztal.com
Phone +49 8223 9692-0
Fax +49 8223 9692-100

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@klbkoetztal