

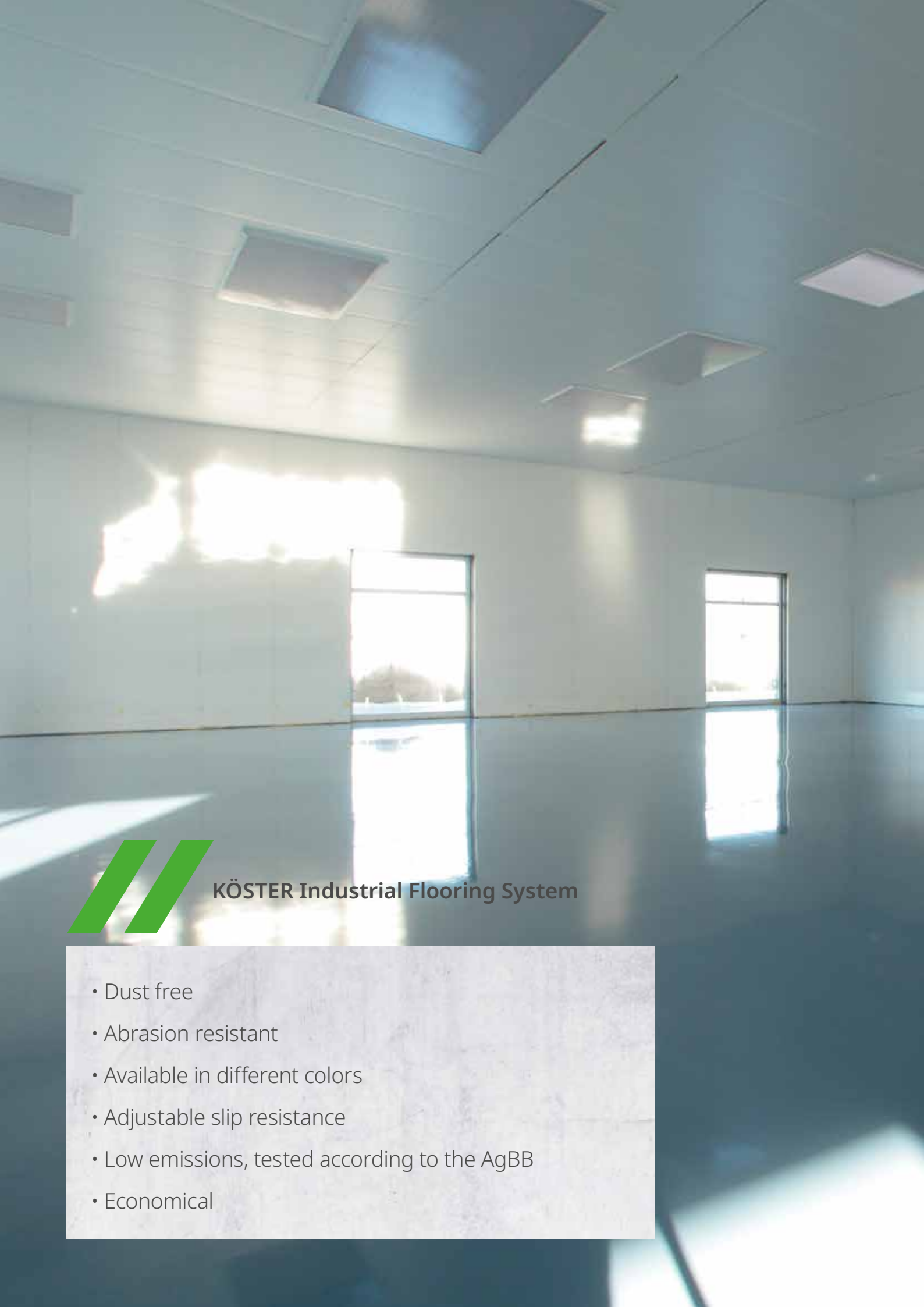
KÖSTER

Waterproofing Systems

Floor Coatings

issued: 04/2021





KÖSTER Industrial Flooring System

- Dust free
- Abrasion resistant
- Available in different colors
- Adjustable slip resistance
- Low emissions, tested according to the AgBB
- Economical

Highly resistant floor coating for interior rooms, industry and production

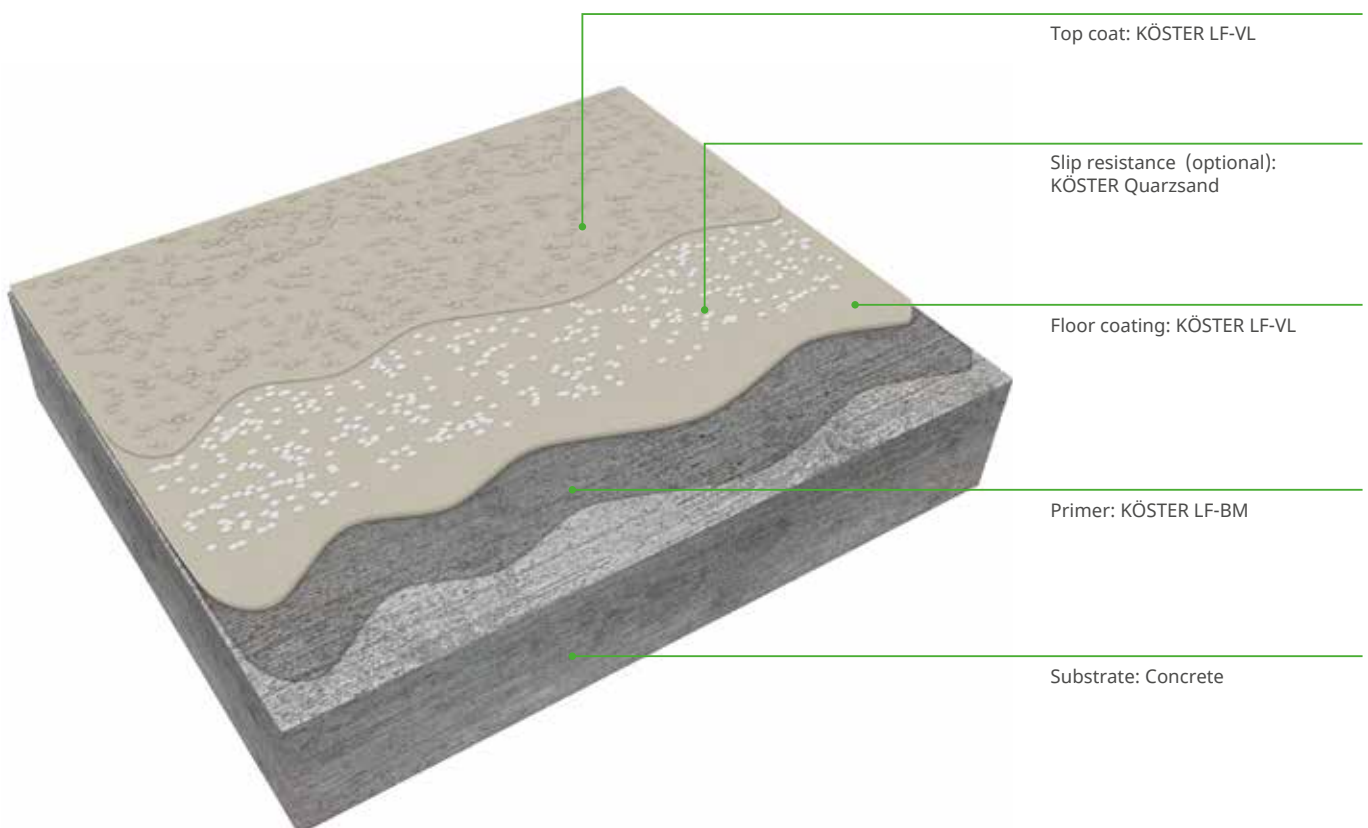
Floors in industry and production facilities are subjected to a multitude of stresses, especially mechanical stresses through forklift traffic, machines, or shocks through falling objects.

Concrete floors subjected to such stresses are covered with the self-leveling industrial floor coating KÖSTER LF-VL.

The substrate must be prepared, dry, clean, and freed of all bond inhibiting substances. It is then primed with KÖSTER LF-BM (when moisture is present in or below the slab with KÖSTER VAP I 2000) and finally coated with KÖSTER LF-VL.

The top layer can also be adjusted for various slip resistance classifications by broadcasting with kiln dried silica sand or various top coats.

Additionally the complete system can be installed with low emission materials according to the AgBB guidelines and can therefore be installed in critical interiors such as schools or hospitals.





KÖSTER UC System

- High chemical resistance
- High abrasion resistance
- Suitable for moist substrates
- Self-leveling
- Heat resistant
- Early loadable

Hygienic protective coating for the food production industry

KÖSTER UC combines the properties of mineral floor leveling materials (leveling and repair of mineral substrates) and reactive resin coatings (protection against penetrating substances and damage as well as decorative design) in one product. It is based on a polymer binder (polyurethane) and mineral fillers.

KÖSTER UC Systems can therefore be used in a wide variety of fields of application with high demands on the coating such as in the food production industry (production, kitchens) as well as in chemical and pharmaceutical industries. KÖSTER UC can be installed in new construction projects (retail) and in the renovation of production areas which must be quickly open to traffic.



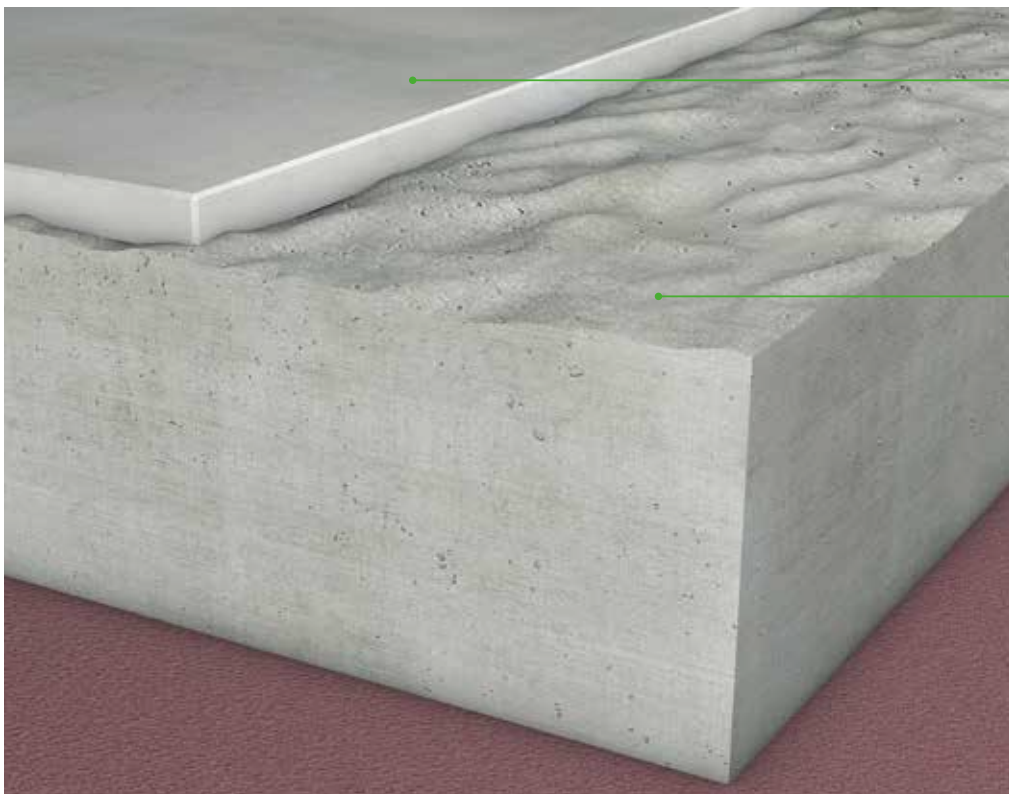
Temperature shock resistant



Chemically resistant



Food safe



Coating and substrate leveling:
KÖSTER UC

Substrate: Surface preparation with
shotblasting



KÖSTER ESD System

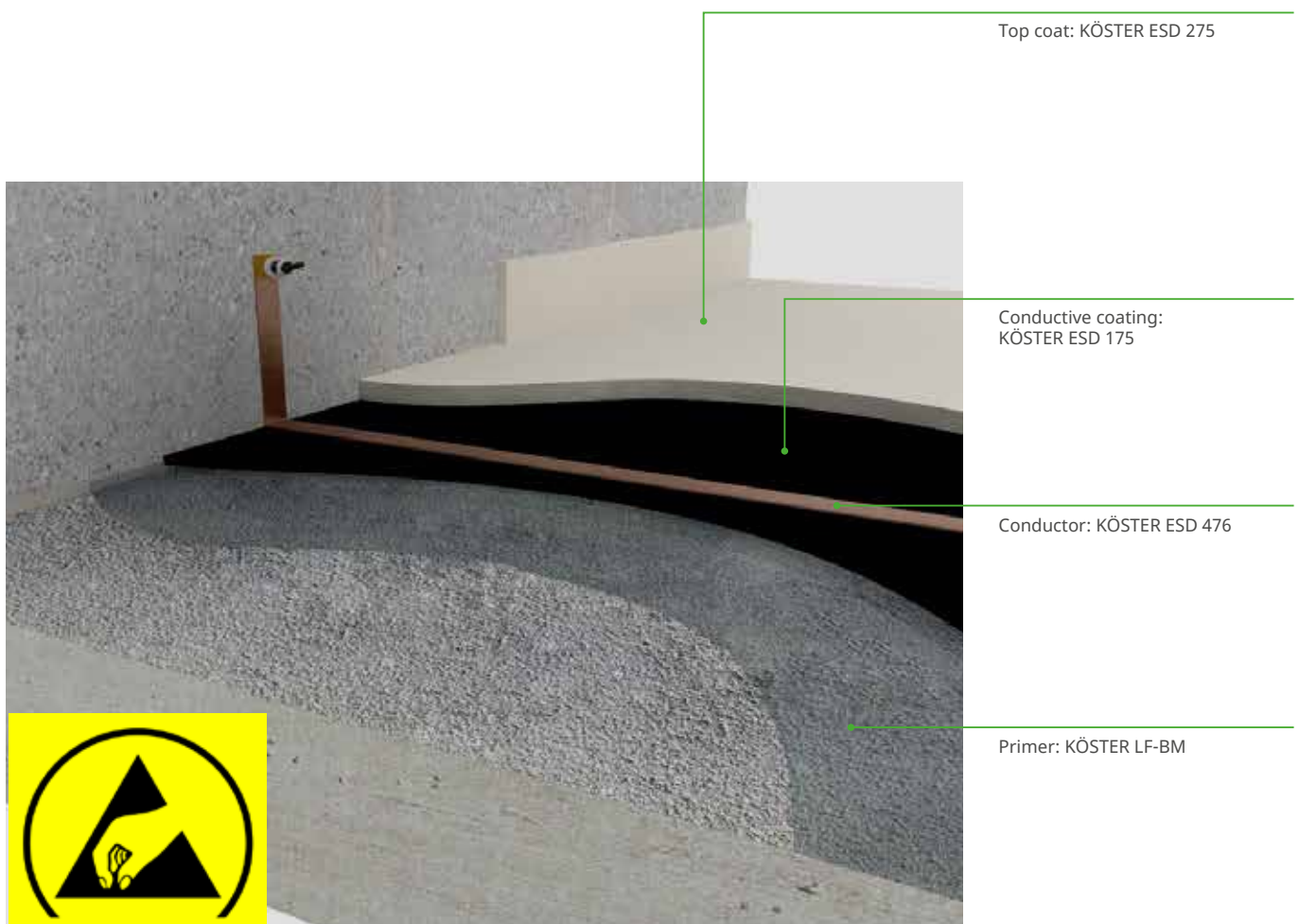
- Permanently electrically conductive according to the DIN EN 61340-4-1:2016
- Meets the highest requirements
- Low VOC emissions
- Fast and easy installation
- Also for use in repair / renovation
- Easy cleaning and care

Static discharge protective coating for shock sensitive production areas

In areas where electronics are manufactured or in areas that can be electrostatically charged by people or machines, the floor must have a sufficiently high electrostatic dissipation to eliminate the risk of damage. For this ESD protection areas are installed, (ESD : Electrostatic Discharge) where special ESD coatings are required.

The KÖSTER ESD System has a structure that provides maximum protection against unwanted electrical charges. The product system consists of the conductive layer KÖSTER ESD 175, which is a solvent free epoxy resin dispersion that is simply applied with a roller. After only two hours it is cured and can be connected to the building grounding.

KÖSTER ESD 275 is applied as the top coat. After cure it not only protects the concrete from chemical and mechanical stresses, it also maintains the high electrostatic dissipation required for an ESD protected area. The KÖSTER ESD System has been tested according to the DIN EN 61340-4 by the KIWA Polymer Institute Ltd. The excellent test results allow the KÖSTER ESD System to be used in rooms with very high requirements.





KÖSTER OS 8 System

- Very high abrasion resistance
- Plasticizer and oil resistant
- Protection against rear-side moisture
- In accordance with DIN EN 1504-2 and DIN V 18026
- Available in different colors

Parking garages and trafficked surfaces with high mechanical stresses

Parking garages and trafficked areas have especially high requirements on coatings. The KÖSTER OS 8 System is a highly resistant, easy to apply solution.

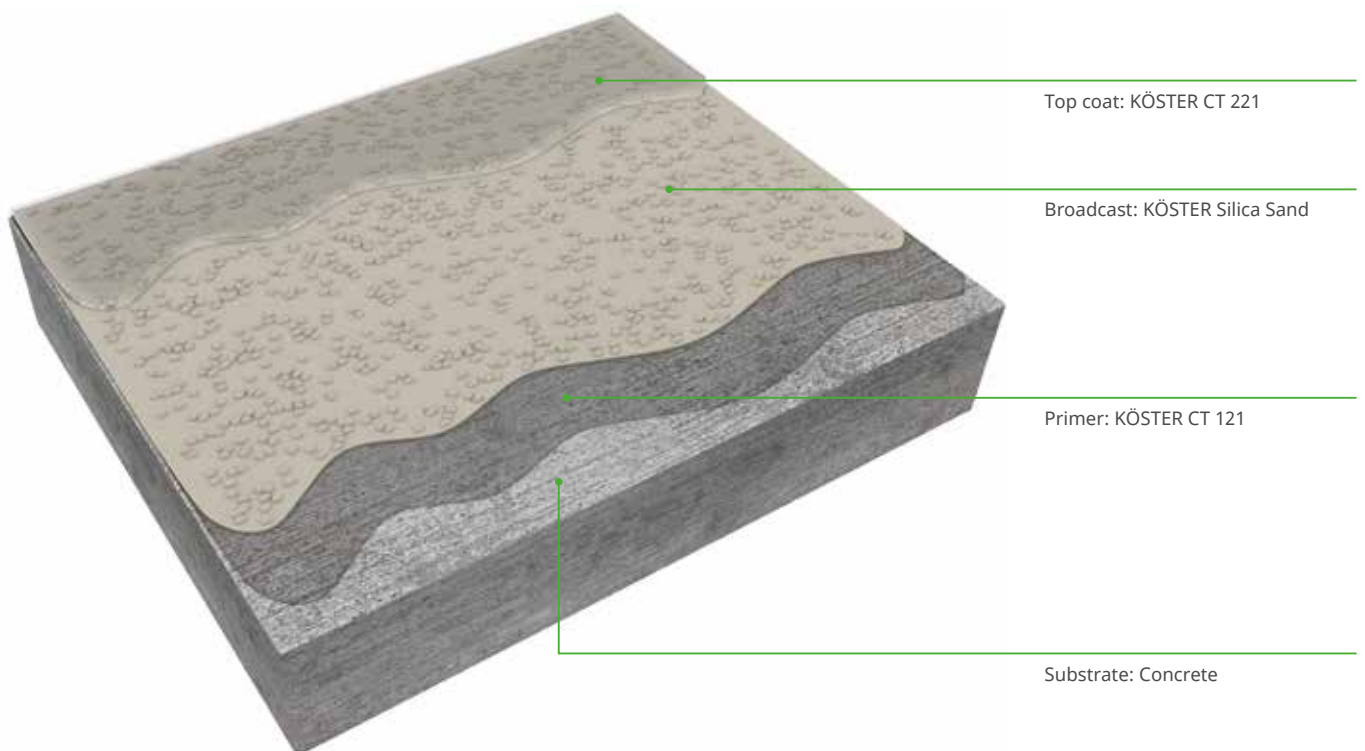
Surface preparation is critical. A clean, dry surface free of all bond-inhibiting materials is vitally important. The surface is primed with KÖSTER CT 121, into which KÖSTER CT 482 Silica Sand is broadcast.

Through the broadcast with KÖSTER CT 482 a very high mechanical resistance is attained, as well as slip resistance.

The top coat consists of the solvent free KÖSTER CT 221. The Coating System is tested according to the DIN EN 1504-2 and fulfills the supplementary standard DIN V 18026.



KÖSTER OS 8 System, Panama Parking of St. George Bank





KÖSTER CT 215 Universal Floor System

- Universally applicable coating system
- Water vapor permeable
- Decorative
- Easy to apply
- VOC free
- Excellent coverage
- Scratch resistant
- Resistant to light to medium chemical and mechanical loads
- For floor and wall surfaces
- Available in many colors (4 standard colors, others on request)

KÖSTER CT 215 Universal Floor System properties

The KÖSTER Universal Floor System is an easy to apply coating and sealing system for mineral substrates for light to medium mechanical and chemical stresses in commercial and private real estate. As a water based epoxy resin, KÖSTER CT 215 Universal Floor is also suitable for coating damp substrates without determining the residual moisture content.

Through the use of KÖSTER Color Chips in contrast and rejection broadcast and the incorporation of KÖSTER Anti-slip Granulate 20, a wide variety of individual surface structures and designs can be achieved in accordance with the guidelines of the employers' liability insurance association.

Outside, surfaces that have been worked on with KÖSTER CT 215 Universal Floor must be fully covered and sealed as follows: With KÖSTER Color-Chips or otherwise scattered surfaces, must be reworked with the one-component, water-vapor-open and solvent-free KÖSTER CT 127 1C Silane or in the case of higher loads with the two-component KÖSTER TS transparent. Both sealings are UV stable and transparent.

KÖSTER CT 215 Universal Floor Fields of Application

- Production areas
- Storage areas
- Trafficked paths
- Sales areas
- Garages
- Balconies and Terraces

System components

KÖSTER Color-Chips

- UV and chemically resistant decorative colored chips for broadcasting into the surface of the epoxy resin.

KÖSTER Filler Fine

- KÖSTER Filler Fine is a special, solvent free, mineral filler, which can be added into water-based and solvent free reaction resin systems. It improves the floor coating's resistance against mechanical stresses, particularly with high layer thicknesses.

KÖSTER Anti-Slip Granulate

- chemical resistant polymer granulate, which increases slip resistance of water-based and solvent free top coatings. Varying the dosage will alter the grade of slip resistance.

KÖSTER CT 127 1C Silane

- is a one component UV and weatherstable, flexible, solvent-free, transparent primer and topcoat for light to medium mechanical loads.

KÖSTER TS transparent

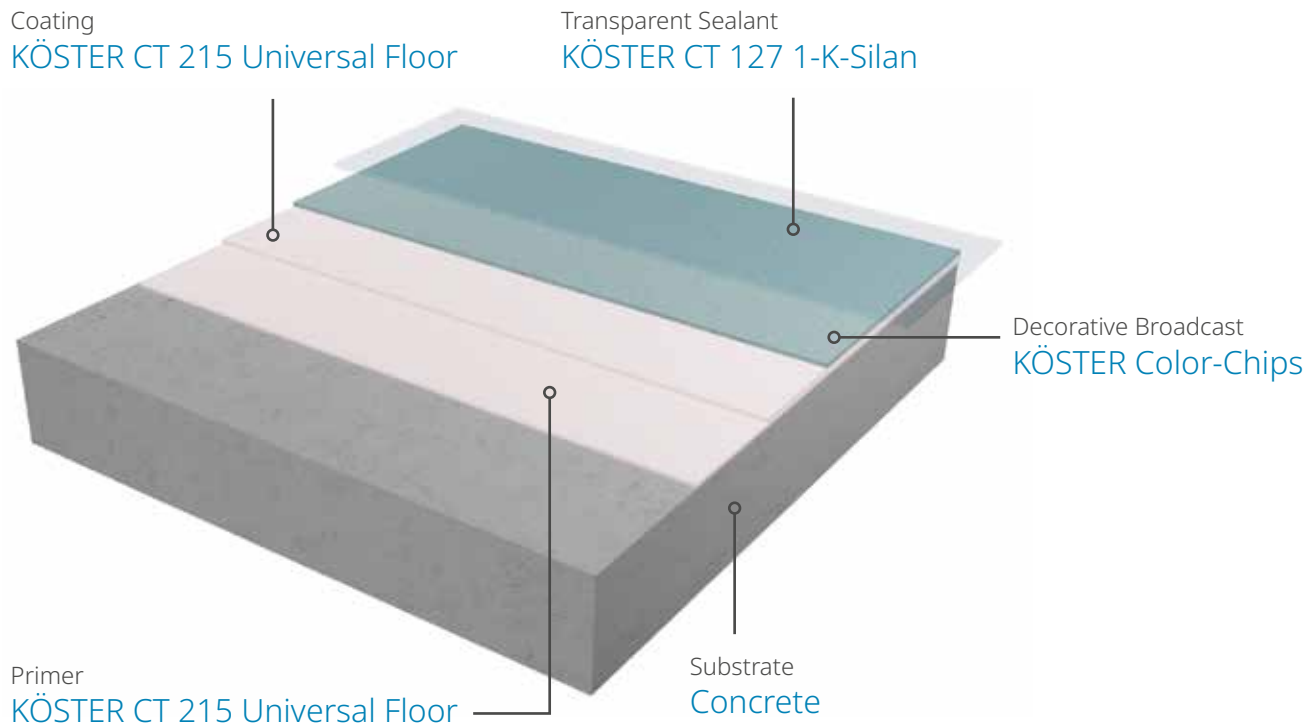
- Two component, UV stable, abrasion and chemical resistant polyurea coating for balconies, terraces, garages, and industrial floors. Due to its fast curing, it can be trafficked after 24 hours



KÖSTER CT 215 Universal Floor

- KÖSTER CT 215 can be used as the sole coating
- can be used with or without Color-Chips
- can be used with and without sealant
- Can be used as a flowable coating in 1 mm layer thickness with KÖSTER Filler Fine

System build-up



Coating types

Coatings

are an inexpensive way to protect floors and achieve good cleanability. For this the layer thickness is up to 0.5 mm. Sealing with KÖSTER CT 215 Universal Floor follows the surface structure of the surface. Surface roughness is only slightly compensated for. By adding KÖSTER Anti-slip Granulate 20, a non-slip floor is achieved.

Flowable Coatings

compensate for minor irregularities in the surface. Due to the even distribution of the material, KÖSTER CT 215 Universal Floor flows in so that a smooth surface is created. With the addition of the additive KÖSTER Filler Fine, layer thicknesses of up to 2.0 mm can be achieved.

Decorative broadcast

can be used as an inexpensive sealer and KÖSTER Color Chips with flowable coatings in many different colors. Additional UV-stable, non-slip, transparent overcoats can be made from KÖSTER CT 127 1C Silane depending on the loading conditions.



KÖSTER CT 215 Universal Floor



Free of VOC



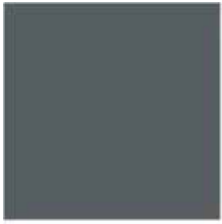
Easy application



Economical

Standard colors KÖSTER CT 215 Universal Floor

Fig. not binding in color



ca. RAL 7012
basalt grey



ca. RAL 7030
stone grey

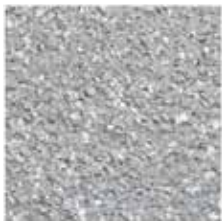


ca. RAL 7032
pebble grey

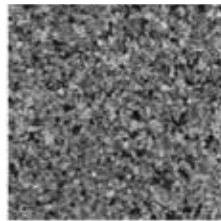


ca. RAL 7035
light grey

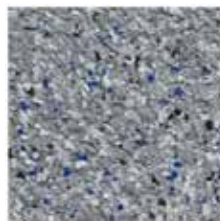
Color selection KÖSTER Color-Chips



CT 429 MF 22
white, light grey,
grey



CT 429 005 Z07
black, grey



CT 429 005 Z17
black, grey, blue



CT 429 005 Z19
white, brown, beige





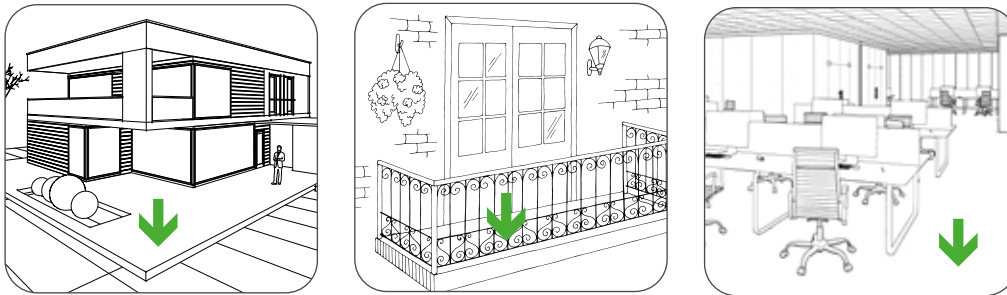
KÖSTER BTG-System

- BTG - not only for balconies, terraces and commercial (rooms)
- Use of KÖSTER Universal Floor
- Indoor and outdoor use
- Decorative and high quality coating system
- Good temperature resistance
- Good slip resistance

KÖSTER BTG-System properties

The KÖSTER BTG system is a decorative and high-quality sealing system for balconies, terraces and concrete floors in commercial (e.g. laboratories, workshops, etc.) and privately used properties.

In addition to commercial spaces, other usable spaces can also be coated, which require uncomplicated and safe repairs.



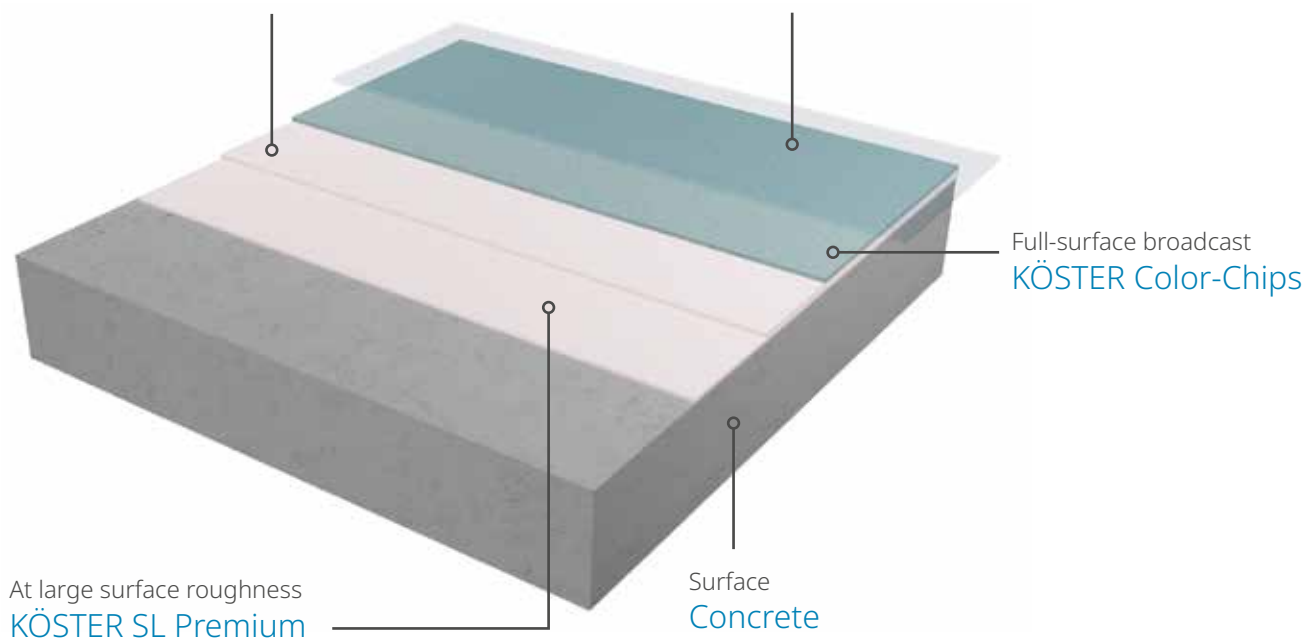
The KÖSTER BTG system, as a permanently stable system with a low build-up of layers, also makes it possible to create optically high-quality surfaces. It is characterized by high abrasion resistance, slip resistance, UV resistance and chemical resistance.

By using KÖSTER Color-Chips it is possible to create individually desired surface effects.

System build-up

Coating
KÖSTER CT 215 Universal Floor

Transparent sealant
KÖSTER TS transparent





KÖSTER SL Flex

- Excellent bonding characteristics
- Applicable on wood, concrete, tile, steel, mastic asphalt
- Can be installed over floor heating
- Layer thickness 2-5 mm
- Resistant to foot traffic after 3-4 h
- Coatable after approx. 48 h

Flexible, fast hardening, universal self-leveling underlayment for wood, mastic asphalt, and floor heating

KÖSTER SL Flex is a high quality, fast setting, mineral based underlayment with excellent bonding characteristics also to smooth and dense substrates. KÖSTER SL Flex is applicable on a wide variety of substrates and hardens hydraulically and tension free within a few hours.

It hardens to a level, high strength surface that allows for a change in building use, such as carpet or tiles on top of old wooden floors.



Wooden substrates



Floor heating



Very flexible



Substrate: Wood

Self-leveling underlayment:
KÖSTER SL Flex

Primer: KÖSTER VAP I 06



We are there for you – worldwide.



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