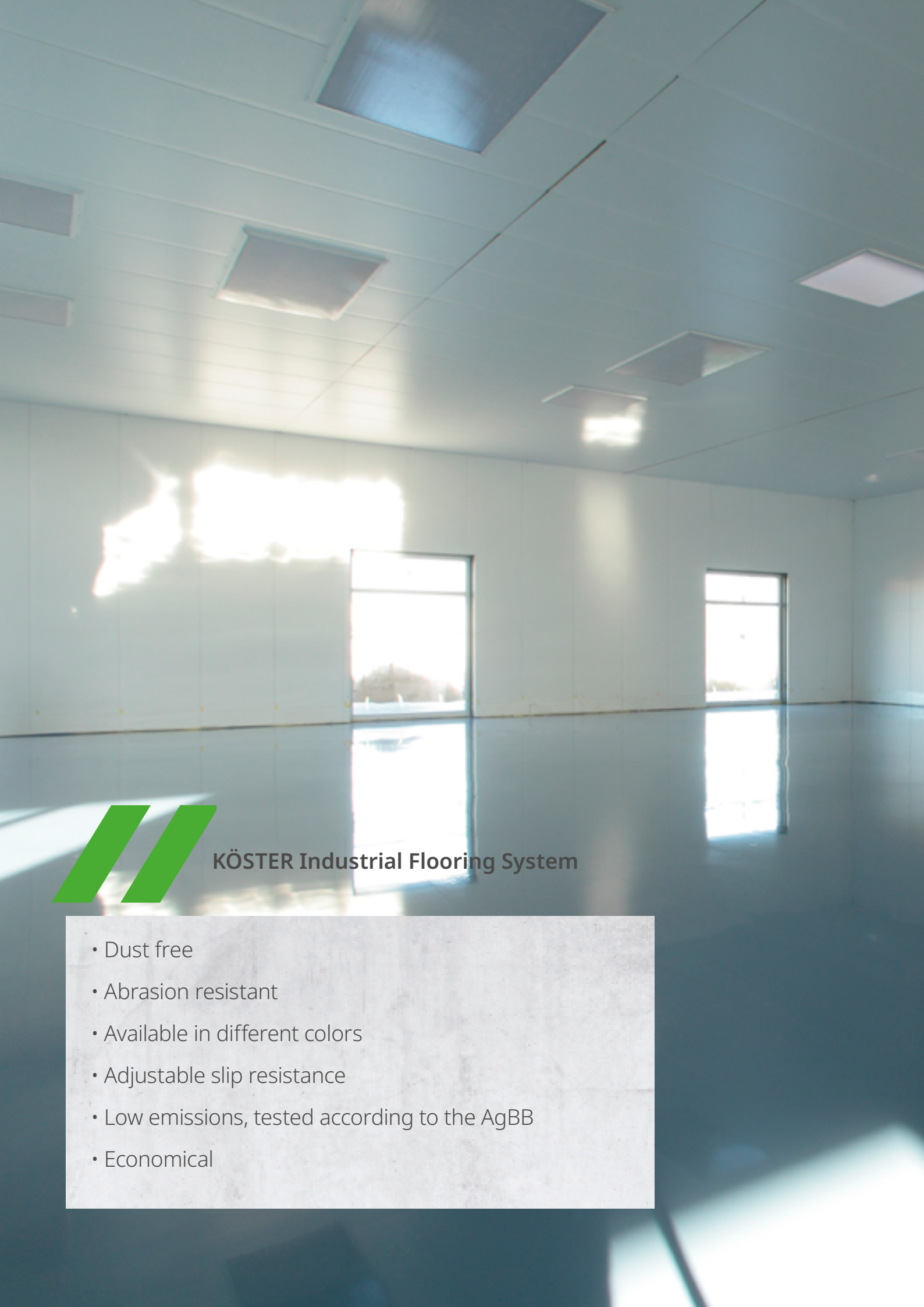
KÖSTER

Waterproofing Systems

Floor Coatings



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

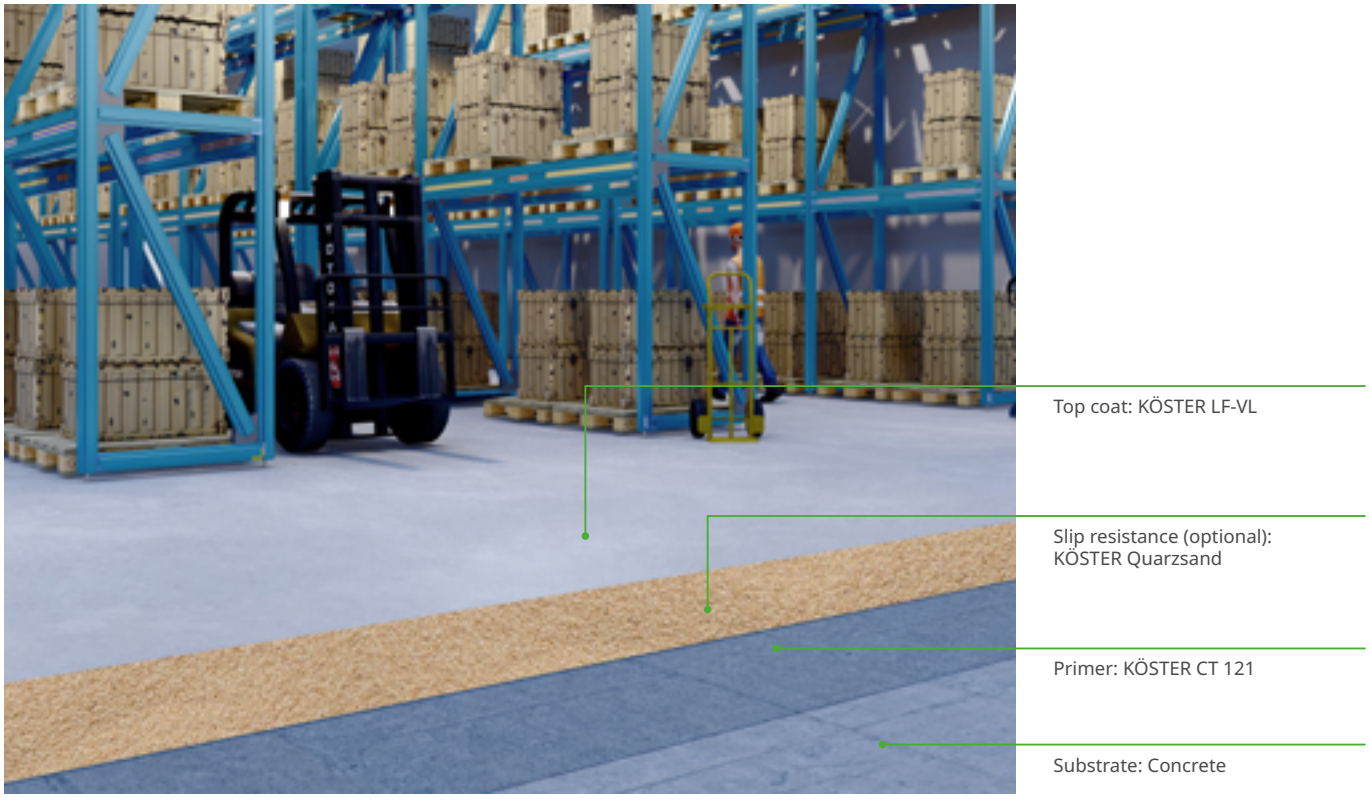
Floors in industry and production facilities are subjected to a multitude of stresses, especially mechanical stresses through forklift traffic, machines, or shocks through falling objects.

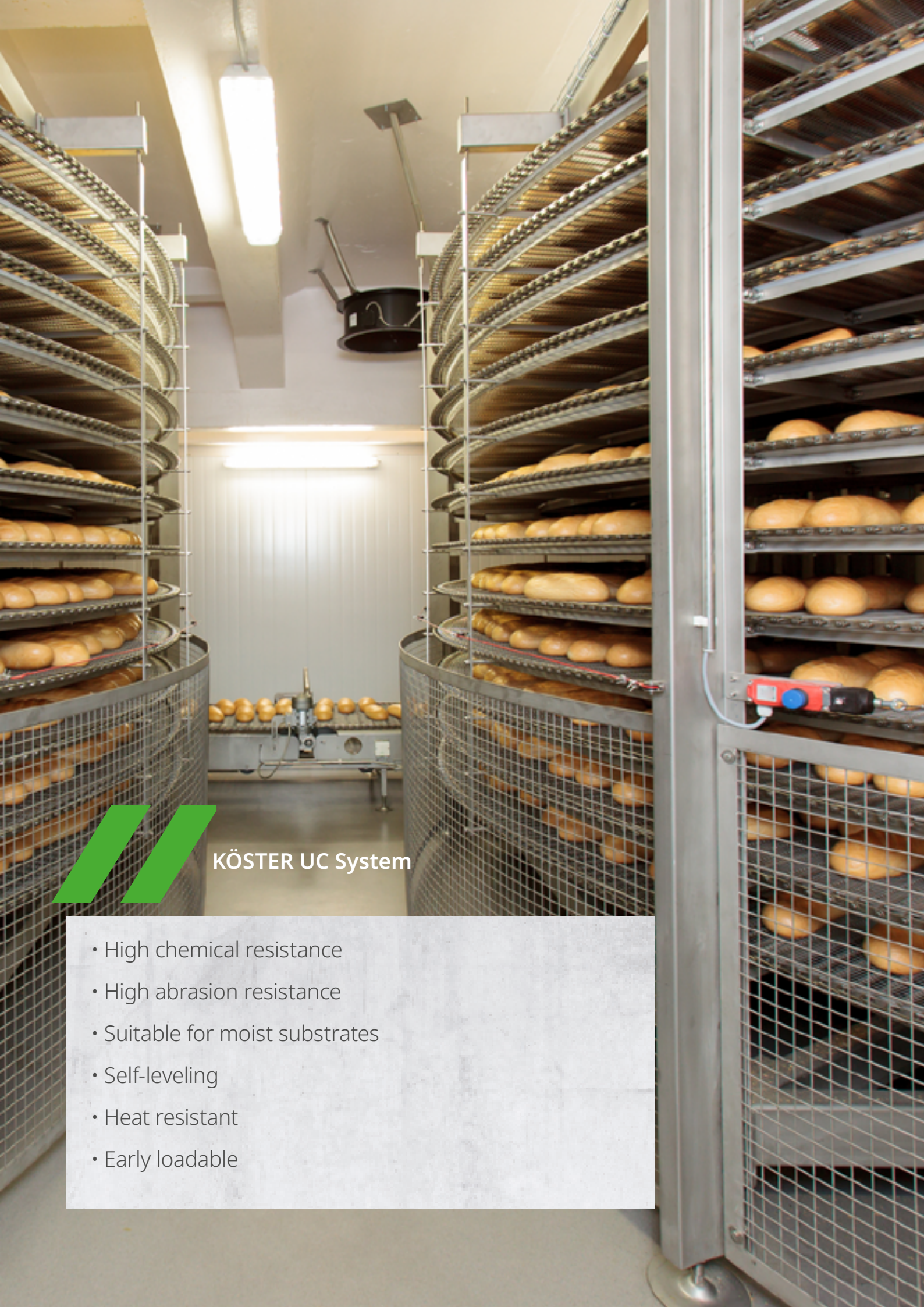
Concrete floors subjected to such stresses are covered with the self-leveling industrial floor coating KÖSTER LF-VL.

The substrate must be prepared, dry, clean, and freed of all bond inhibiting substances. It is then primed with KÖSTER CT 121 (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.





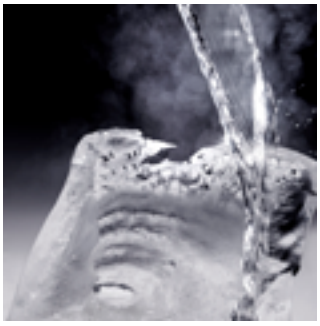
KÖSTER UC System

- 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 100 / KÖSTER UC 300

Substrate: Surface preparation with shotblasting

KÖSTER ESD System

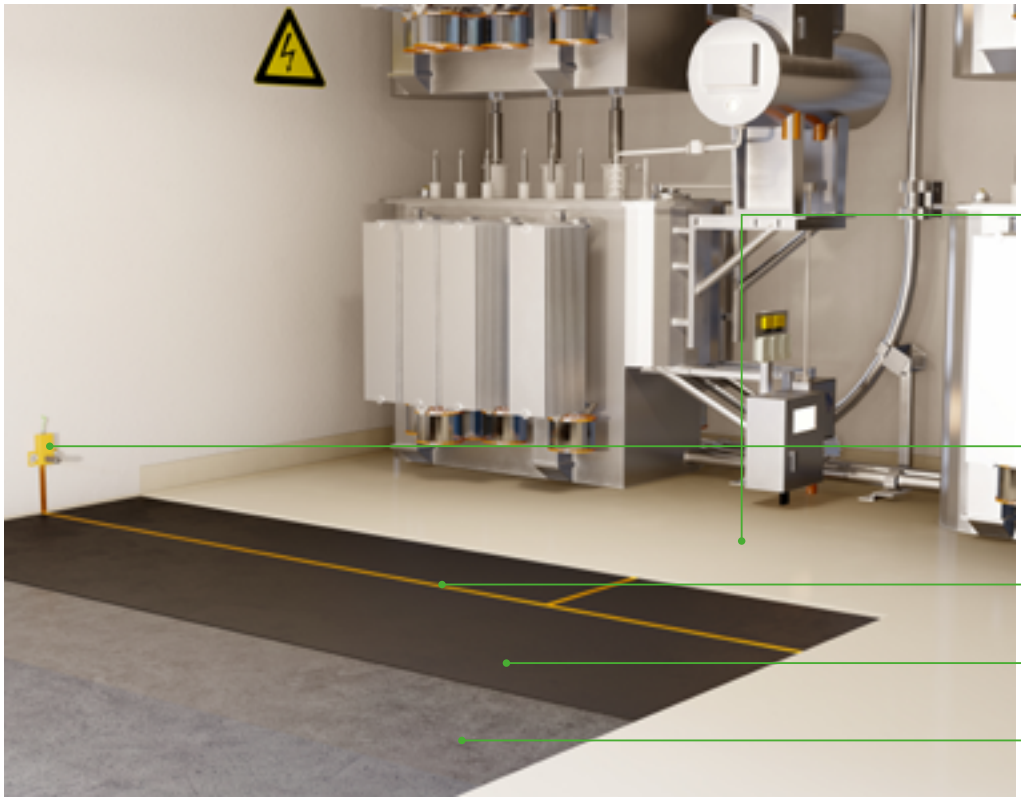
- Permanently electrically conductive according to the DIN EN 61340-4-1:2016
- Meets the highest requirements
- Low VOC emissions
- Fast and easy installation
- Also for use in repair / renovation
- Easy cleaning and care

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.



Top coat: KÖSTER ESD 275

Connection and test point: KÖSTER ESD 476

Conductor: KÖSTER ESD 475

Conductive coating: KÖSTER ESD 175

Primer: KÖSTER CT 121

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

Top coat: KÖSTER CT 221

Broadcast: KÖSTER Silica Sand

Primer: KÖSTER CT 121

Substrate: Concrete

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 (3 standard colors, others on request)

Properties of the KÖSTER CT 215 Universal Floor Systems

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.

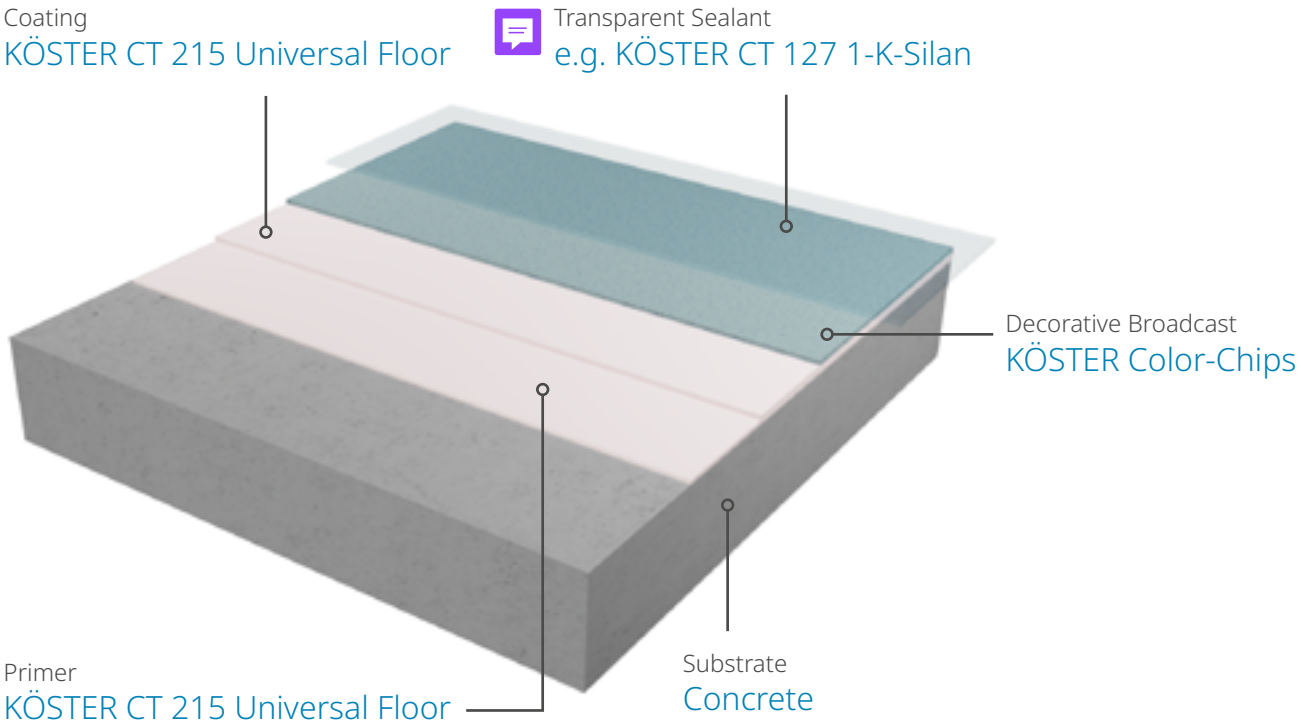
KÖSTER TS transparent

- Two component, UV stable, abrasion and chemical resistant polyurea coatings 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 KÖSTER Color-Chips
- Can be used with and without sealant
- Can be used as a flowable coating in 2 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 7030
stone grey

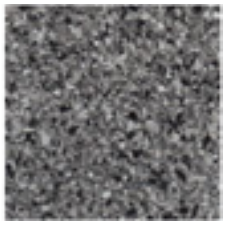
ca. RAL 7032
pebble grey

ca. RAL 7035
light grey

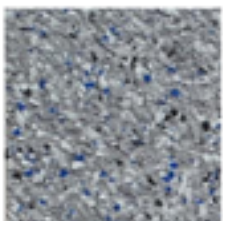
Color selection KÖSTER Color-Chips

Fig. not binding in color

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

Key features
KÖSTER CT 227 1C Silane System

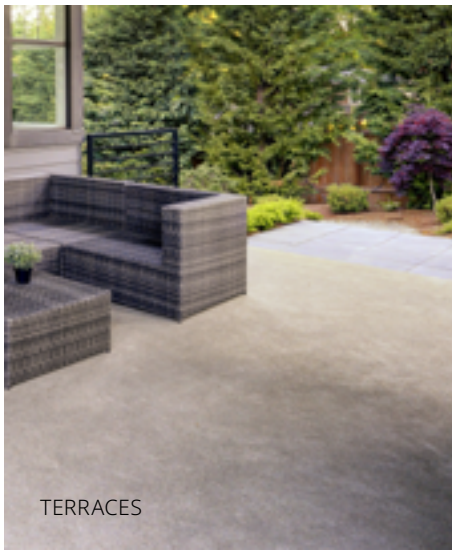
- High UV and weather resistance
- Resistant to medium mechanical and chemical loads
- Good slip resistance: With the addition of KÖSTER Anti-Slip Granulate 20, a slip resistance class of R10 is achieved. R12 can be achieved by fully covering with kiln-dried quartz sand CT 485, 0.7 - 1.2 mm.
- By using KÖSTER Color-Chips with contrast and full broadcast as well as surface sealing with KÖSTER CT 327 1C Sealer, a wide variety of individual surface designs can be achieved.

KÖSTER CT 227 1C Silane System

The KÖSTER CT 227 1C Silane System is a one-component, diffusible, low-odor, crack-bridging, easy-to-use waterproofing system for indoor and outdoor use on mineral substrates such as concrete, cement screed, and mineral plasters as well as on stable old coatings in private and commercial real estate.

Areas of application


BALCONIES


TERRACES


GARAGES

Top coating (optional):
KÖSTER CT 327 1C Sealer

Optional: Full coverage or decorative Broadcasting:
KÖSTER Color-Chips

Coating:
KÖSTER CT 227 1C Silane

Prepared surface:
Concrete, screed

KÖSTER SL Flex

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

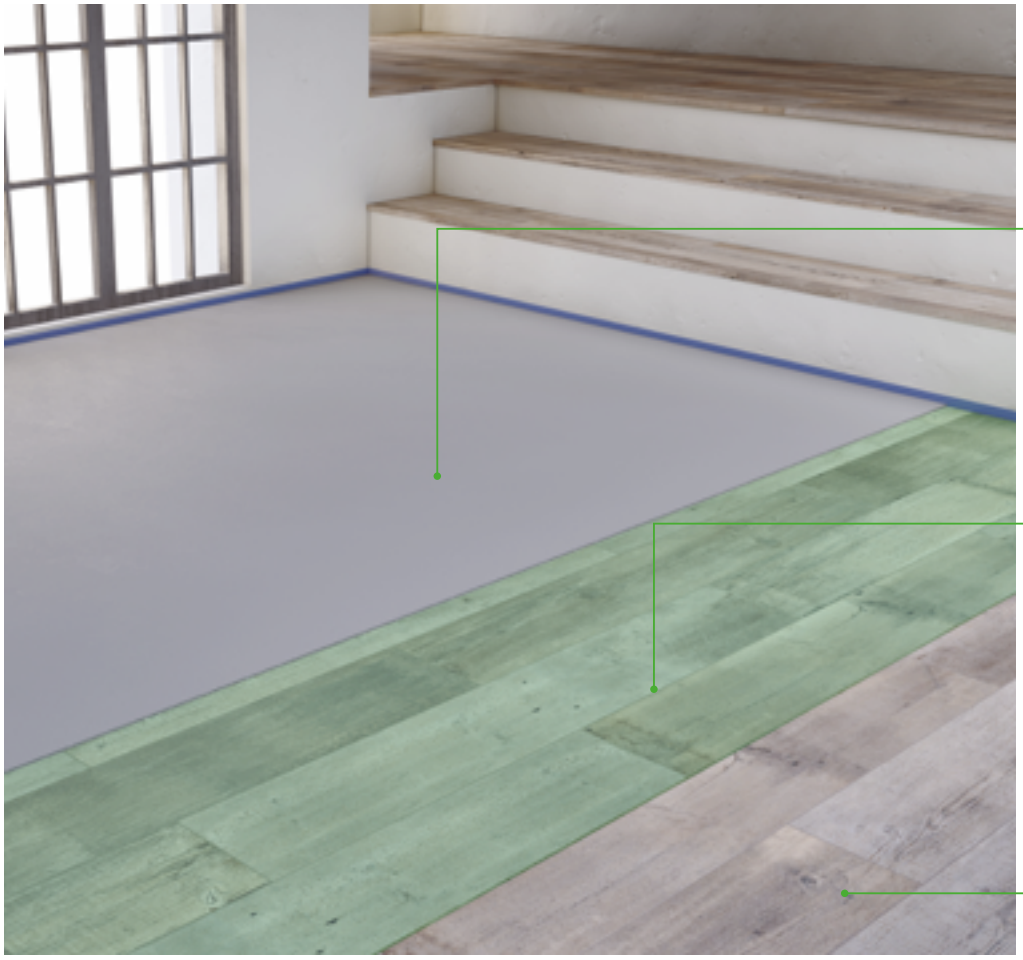
Flexible, fast hardening, universal self-leveling underlayment for wood.

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

Very flexible



We are there for you – worldwide.

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Always adhere to the specifications in the respective Technical Data Sheets.