



Style on it.
Perform on it.
Live on it.

Floor Coating Systems
VIASOL DESIGN QCV Life-Science & Medtech

viacor.
— Live on it.

viacor.

FOR YEARS THE TRUSTED ADDRESS
FOR INNOVATIVE AND CUSTOMIZED
RESIN FLOORING SYSTEMS.

We, VIACOR Polymer GmbH, based in Rottenburg am Neckar, offer our customers a wide range of floor coating systems – from classical flooring systems to highly durable, conductive, decorative, or chemical-resistant special systems, as well as car parking coatings.

Our sports flooring brand PORPLASTIC includes indoor sports hall floors, stadium running tracks, tennis courts, multifunctional playing fields, and fall-protection surfaces.

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VIASOL

QCV



THE VIASOL DESIGN QCV FLOOR COATINGS
ARE CHARACTERIZED BY LONG-LASTING
VISUALLY CONSISTENT SURFACES.

The VIASOL DESIGN QCV flooring systems are universally suitable for long-term use in almost all sensitive and demanding sectors. They allow for identical surfaces to be realized in different areas with varying technical, hygienic, and design requirements.

In wet areas and zones with elevated hygiene standards, the liquid-tight system meets the highest requirements and, thanks to its pore-free surface and easy cleanability, is ideally suited for applications in the pharmaceutical and biotechnology industries, food technology and commercial kitchens, medical facilities, as well as changing rooms, showers, and sanitary areas.

Robust floor systems that withstand mechanical and chemical stress are in demand not only in industrial and production environments but also in public and commercial areas. Daily traffic from pallet trucks, roll containers, or forklifts, as well as exposure to cleaning, disinfecting, and operational agents, places high demands on the floor's durability. At the same time, safety in areas prone to slipping or potential trip hazards is crucial.

Slip resistance can be individually adjusted in this system – multiple grindings do not affect the color. Additionally, the VIASOL DESIGN conductive special systems offer dissipative and conductive variants, fulfilling all requirements for highly sensitive production and functional areas.

Beyond technical performance, the system impresses with its design versatility: individual quartz sand blends provide nearly unlimited design options. From subtle single-color shades to bright, hygienic surfaces and vibrant textures, functional areas, traffic routes, or zones can be clearly differentiated by color without level differences.



PHARMACEUTICAL INDUSTRY

- / HYGIENIC SURFACE – seamless and jointf-free
- / EASY TO CLEAN – with steam or cold-water cleaners
- / CHEMICALLY RESISTANT
- / UV- AND COLOUR-STABLE VARIANTS
- / LOW EMISSION IN ACCORDANCE WITH AgBB AND TÜV PROFICERT PREMIUM

In the pharmaceutical industry, a wide range of areas – such as corridors, cleanrooms, laboratories, production zones, break rooms, changing rooms, showers, and sterile functional areas – each have specific requirements for hygiene, safety, and durability. These high standards apply in particular to the flooring systems used. Floor coverings must be easy to clean, dissipative or conductive, mechanically, chemically, and thermally resistant, homogeneous, low-emission, and visually clear and high-quality.

The VIACOR quartz sand coatings fully meet these complex requirements. Visually, the floor forms a seamless, homogeneous surface, which can be applied modularly and in layers, precisely tailored to the intended use of each area. Whether on heavily trafficked transport routes, in chemically resistant laboratory areas, or in conductive zones for sensitive production processes – the surface remains consistently level, functional, and safe.

If desired, individual areas can also be clearly marked with targeted color schemes or visual accents without compromising the system's homogeneity or functionality.

Furthermore, the systems comply with AgBB guidelines and are certified with the "TÜV PRO-FiCERT-product Interior" (PREMIUM) for very low VOC emissions, an essential requirement for use in pharmaceutically sensitive indoor environments.



BIO- TECHNOLOGY

- / HYGIENIC SURFACE – seamless and jointf-free
- / EASY TO CLEAN – with steam or cold-water cleaners
- / CHEMICALLY RESISTANT
- / UV- AND COLOUR-STABLE VARIANTS
- / LOW EMISSION IN ACCORDANCE WITH AgBB AND TÜV PROFICERT

Floors in biotechnology facilities must meet the highest standards of cleanliness, safety, and sustainability. In laboratories, cleanrooms, and production areas, seamless, pore-free surfaces with very low emissions, high chemical resistance, and – depending on the application – reliable electrostatic dissipation are essential.

The VIASOL DESIGN QCV flooring systems meet these requirements through a homogeneous, liquid-tight quartz sand coating that is easy to clean and supports a controlled, hygienic working environment. The modular system design allows precise adaptation to different usage areas – from traffic zones to laboratory areas and sensitive production spaces.

For work environments with sensitive equipment or automated processes, the VIASOL DESIGN QCV conductive variants are available. These dissipative or conductive systems reliably prevent electrostatic charging without compromising mechanical durability, slip resistance, or color stability.

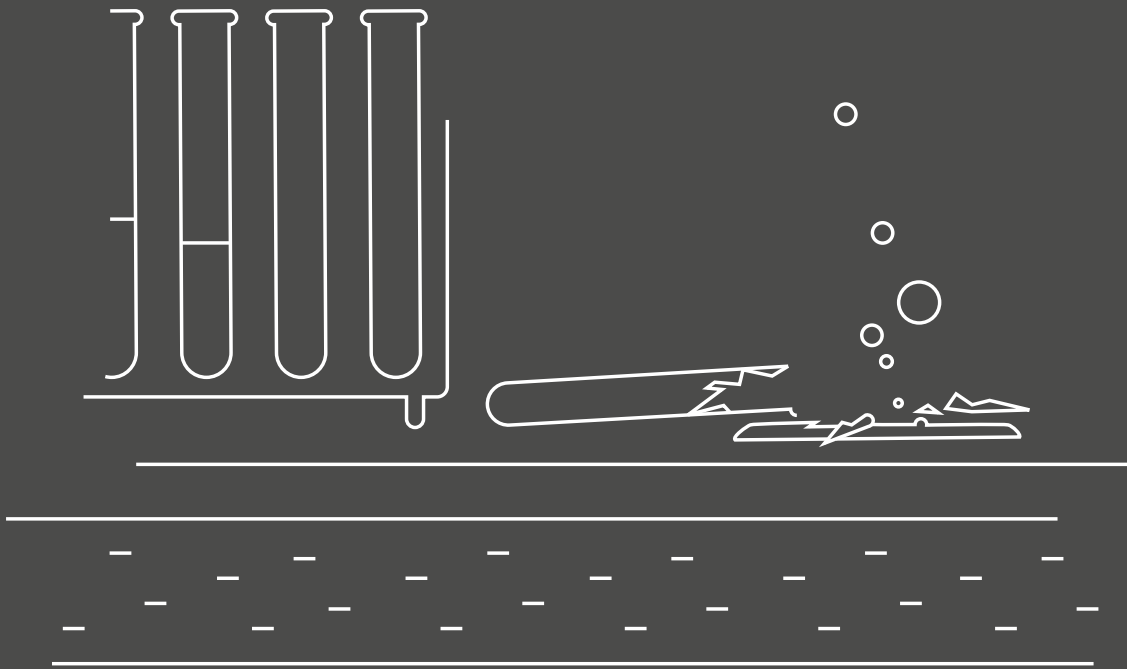
A typical application example is a biotechnology production laboratory for cell cultures or active substances. The seamless, low-emission surface reduces contamination risks, simplifies cleaning processes, and supports consistently high quality and safety standards. Additionally, individual color designs allow clear structuring of functional and traffic areas.











**VIASOL DESIGN QCV SYSTEMS ARE LOW-EMISSION,
DURABLE, HYGIENIC FLOORING SOLUTIONS THAT MEET
ALL REQUIREMENTS THANKS TO THEIR HIGH MECHANICAL
STRENGTH AND EASY MAINTENANCE.**

MEDICAL TECHNOLOGY

/ UV-RESISTANT VARIANTS

/ HIGH ABRASION RESISTANCE – suitable for pallet trucks and forklift traffic

/ MECHANICALLY DURABLE

/ CHEMICALLY RESISTANT

/ HIGH UV AND COLOR STABILITY

/ SLIP RESISTANCE FROM R 10 – R 12

/ LOW-EMISSION ACCORDING TO AGBB AND TÜV PROFICERT PREMIUM

Chemical substances can be destructive to flooring, especially in areas that are frequently exposed. Depending on the type of hazardous substance and the location, two categories are distinguished: light to moderate chemical exposure under normal conditions, and high chemical exposure, where the German Water Resources Act (WHG) applies. The latter applies to VIASOL WHG floor coatings – see special coatings.

VIASOL DESIGN systems offer good chemical resistance under normal conditions. The tested DiBT test fluids correspond to WHG numbers 1, 3, 10, and 11. Industrial floor systems, as well as penetrations for piping, can be sealed watertight. A waterproof floor coating prevents spilled substances from seeping unnoticed. The system provides resistance to a wide range of chemicals and can withstand hot water exposure up to 60 °C.

Slip resistance is also required in chemical production sites and laboratories. This can be specified individually in classes from R 10 to R 12. Despite the high slip resistance, the surface remains easy to clean.



FOOD- TECHNOLOGY

- / DECORATIVE AND HYGIENIC SURFACES
- / MECHANICALLY DURABLE - suitable for pallet trucks and forklifts
- / EASY TO CLEAN (with steam or cold-water cleaners)
- / RESISTANT TO DISCOLORATION (from food and spices)
- / SLIP RESISTANCE (from R 10–R 12)
- / FOOD APPROVAL ACCORDING TO ISEGA (European Hygiene standards)

In the food technology sector, production and processing areas are subject to particularly high requirements for hygiene, safety, and durability. Floors must be seamless, pore-free, and easy to clean to reliably prevent the accumulation of dirt, germs, and residues. At the same time, slip-resistant properties are required to ensure the safety of personnel, even in wet and cleaning areas.

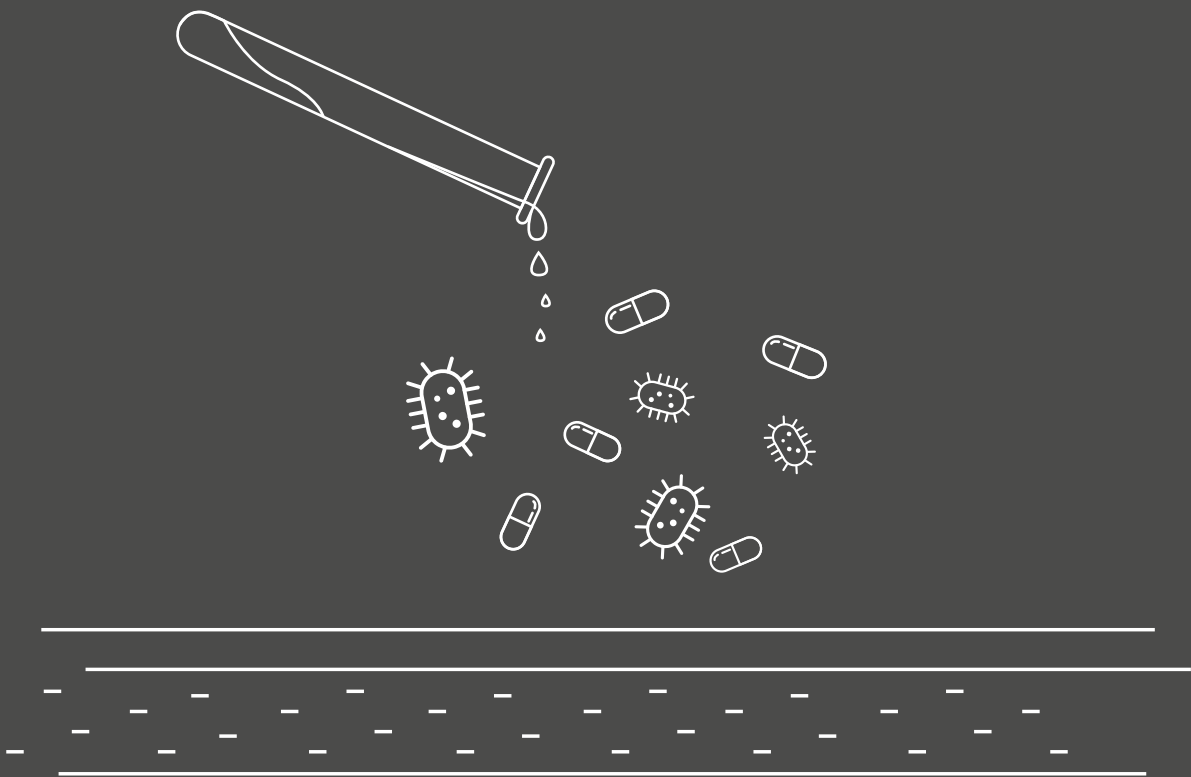
Moreover, flooring in food processing environments is exposed daily to high mechanical stresses from trolleys, pallet trucks, and machinery, as well as chemical exposure from cleaning and disinfecting agents. High resistance and long service life are therefore essential to minimize operational interruptions and maintain hygiene standards consistently.

Modern production environments also place increasing demands on sustainability and emission performance. Low-emission, odor-neutral materials contribute to improved indoor air quality and support a healthy working environment.

Targeted color designs allow work and traffic areas to be clearly organized without compromising the hygienic properties of the floor. This results in a safe, durable, and standards-compliant flooring solution for demanding food production facilities.







**OVER THE YEARS, VIASOL DESIGN QCV
PROVIDES A CONSISTENTLY ATTRACTIVE
SURFACE, EVEN UNDER HEAVY USE.**

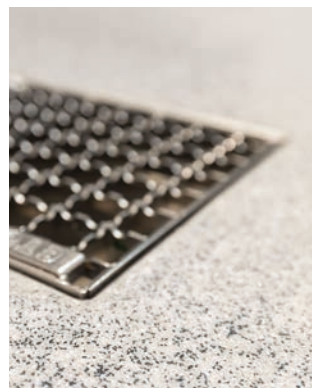
HEALTHCARE FACILITIES

- / EXCELLENT APPEARANCE
- / UV-RESISTANT VARIANTS
- / HYGIENIC SURFACE – seamless and joint-free
- / SLIP RESISTANCE from R 10 – R 12
- / EASY TO CLEAN with steam or cold-water cleaners
- / LOW-EMISSION ACCORDING TO AGBB AND TÜV PROFICERT PREMIUM

High visitor traffic in administrative buildings, hospitals, and schools requires robust and highly durable flooring. Not only corridors and visitor areas but also sanitary facilities are subjected to extreme daily stress. Flooring systems in toilets, showers, and changing rooms must be suitable for wet areas. VIACOR's hygienic, pore-free, and liquid-tight floor coating systems are ideal for sanitary spaces and are also chemically resistant, allowing the use of strong cleaning agents.

The VIASOL DESIGN QCV systems are part of the VIASOL GREEN LINE ECO range, all low-emission according to AgBB requirements, and carry the "TÜV PROFiCERT-product Interior" (PREMIUM) certification. The TÜV PROFiCERT-product Interior certification is designed specifically for interior products, evaluating them against health and quality criteria. The criteria are selected so that builders, retailers, craftsmen, and end customers can receive transparent and reliable information about the product on a comparable basis.

The TÜV PROFiCERT certification covers the following international requirements: French VOC regulation, Belgian VOC regulation, BREEAM, and LEED v4.



INDUSTRY & MANUFACTURING

- / **MECHANICALLY DURABLE** – suitable for pallet trucks and forklift
- / **EASY TO CLEAN** with steam or cold-water cleaners
- / **RESISTANT TO DISCOLORATION** from food and spices
- / **SLIP RESISTANCE** from R 10 – R 12
- / **FOOD APPROVAL ACCORDING TO ISEGA** (European Hygiene Standards)

The surface of floors in large-scale and industrial kitchens is especially important for safety and hygiene. Safe flooring in commercial kitchens must have no uneven areas, trip hazards, or dangerous slopes. Floors must prevent slipping or tipping of transport and storage carts, and they must be slip-resistant and secure underfoot.

Floors are considered hygienic when dirt or germs cannot permanently settle on them. This is achieved through seamless surfaces, continuous connections to walls, rising components with covered or triangular skirtings, and vertical coatings in water-exposed areas. These measures simplify cleaning and eliminate niches or joints where dirt can accumulate.

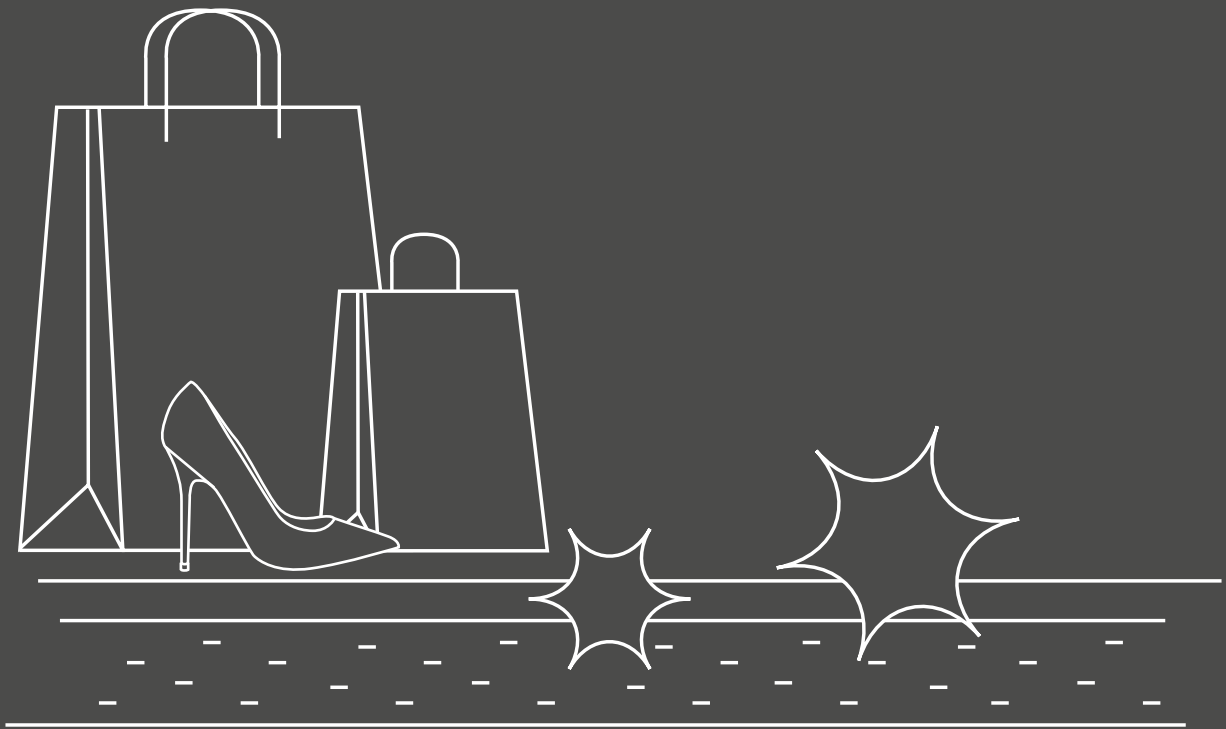
The VIASOL DESIGN flooring systems meet all requirements for food-processing work areas. They can be produced with slip resistance from R 10 – R 12, installed seamless, finished with covered skirtings, and are very easy to clean.

Furthermore, VIASOL DESIGN floors comply with strict emission standards according to AgBB, M1, and other European regulations.





THE VIASOL DESIGN QCV FLOORING SYSTEM
STANDS OUT FOR ITS EXCELLENT
MECHANICAL AND CHEMICAL RESISTANCE.



FOR PRESENTATION OR SALES AREAS,
THE FLOORING CAN BE CUSTOMIZED IN COLOR,
CREATING A VISUAL HIGHLIGHT WHILE ALSO
BENEFITING FROM EASY CLEANING.

PUBLIC & COMMERCIAL AREAS

/ EXZELLENT APPEARANCE

/ UV-RESISTANT VARIANTS

/ HYGIENICH SURFACES - seamless and joint-free

/ SLIP RESISTANCE from R 10 – R 12

/ LOW-EMISSION ACCORDING TO AGBB AND TÜV PROFICERT PREMIUM

In public buildings such as administrative centers or schools, there is a high volume of visitors every day. Accordingly, flooring in these areas is subject to particularly high mechanical and hygiene demands. Corridors, common and visitor areas, as well as sanitary facilities, must be durable, easy to maintain, and safe.

The flooring systems used must be suitable for wet areas and withstand both moisture and intensive use over time. The hygienic, pore-free, and liquid-tight VIASOL DESIGN QCV floor coating system from VIACOR provides an ideal solution. It is easy to clean, chemically resistant, and allows the use of strong cleaning agents – ensuring long-lasting hygienic surfaces.

In heavily frequented shopping centers, appearance is just as important as durability. Surfaces need to look clean, well-maintained, and inviting every day. The VIASOL DESIGN QCV system excels here with its pore-free surface. Dirt from food, fruit, or juice does not penetrate the floor but remains on the surface, making it easy to remove. At the same time, the system is highly resistant to discoloration – ensuring floors remain attractive and well-kept over time.







TECHNICAL INFORMATION

APPLICATION AREAS:

- / PHARMACEUTICAL INDUSTRY
- / BIOTECHNOLOGY
- / MEDICAL TECHNOLOGY
- / FOOD TECHNOLOGY AND COMMERCIAL KITCHENS
- / HEALTHCARE FACILITIES
- / INDUSTRY & MANUFACTURING
- / PUBLIC & COMMERCIAL AREAS

VIASOL SYSTEM FEATURES:



HYGIENIC SURFACES



PASSABLE & ABRASION-RESISTANT
accessible with trolleys and pallet trucks



MECHANICALLY DURABLE AND
IMPACT-RESISTANT



ISEGA
Food approval according to European hygiene standards



RESISTANT TO DISCOLORATION
from food, fruits, and beverages



ANTI SLIP
from R9-R13



DISCHARGE & CONDUCTIVE



CHEMICALLY RESISTANT



EXTREMELY LOW EMISSION
According to AgBB, M1, and other standards of the food processing industry



AVAILABLE IN A WIDE RANGE OF
COLOURS



LOW MAINTENANCE
easy cleaning and maintenance



FIRE SAFETY B_{fl}-s1
according to EN 13501-1



JOINTLESS



UV-RESISTANT VARIANTS

COLORS

Examples of quartz sand blends



*Note: Variations in color, gloss, and surface texture may occur.
The colors displayed on screens or in print may differ from the original colors.*



Modern sustainable construction serves to protect people and the environment and begins already in the planning phase. The entire life cycle of a building is considered – from planning, through the selection of building materials, to eventual deconstruction.

VIACOR floor coating systems exceed all standards for sustainable construction and can be easily implemented. The GREEN LINE ECO VIASOL systems are solvent-free, low-emission, sustainable floor coating solutions certified with TÜV PROFiCERT-product Interior.

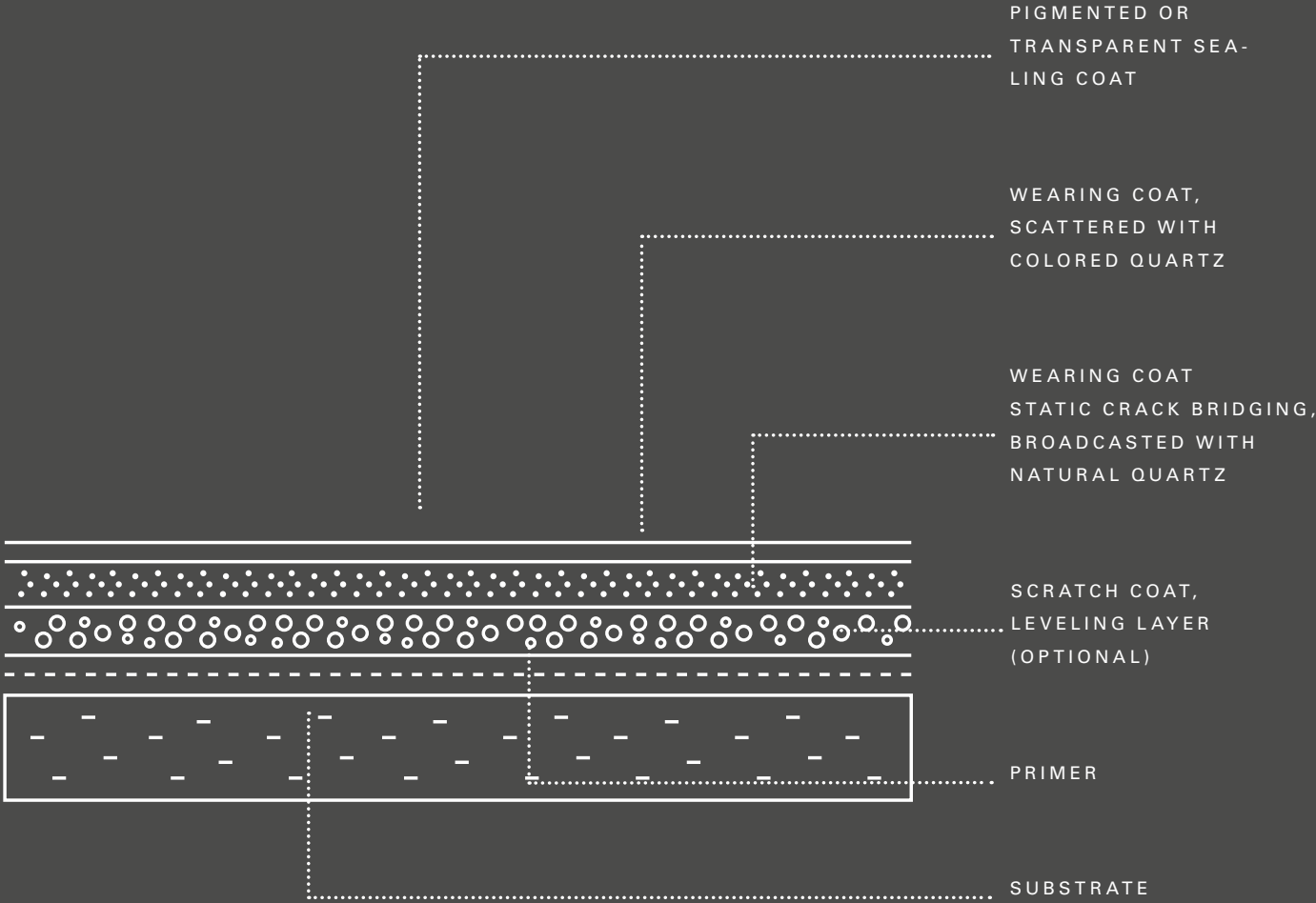
The TÜV PROFiCERT-product Interior certification also confirms compliance with emission limit values according to the following regulations:

Germany: AgBB with increased requirements for VOC limits after 28 days

BREEAM: Exemplary Level

LEED v4

VIASOL *DESIGN* SYSTEMS



VIASOL DESIGN QCV GREEN LINE ECO

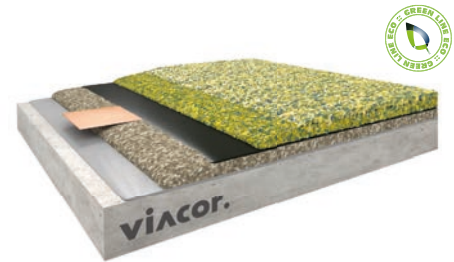
- Excellent appearance
- Low emission according to AgBB requirements and other European standards
- Seamless and jointless
- Jointless connection to walls and skirting
- High abrasion resistance, suitable for fork lift trucks and hand lifts
- Good chemical resistance
- Slightly to strong anti-skid surface
- Hygienic, no pores, impermeable to liquids
- Easy to clean and maintain
- Available in many colours
- With PU finish very high colour and UV-stability and high resistance against discolouration from food and beverages
- Fire resistance class Bfl-s1



VIASOL DESIGN QCV CONDUCTIVE

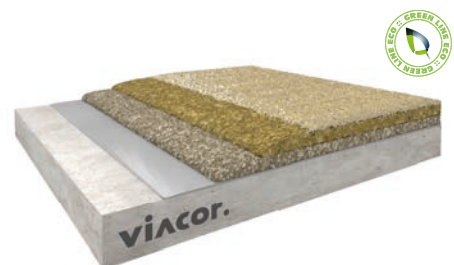
GREEN LINE ECO

- Excellent appearance
- Low emission tested according to AgBB and other European standards
- Conductive EN 1081 and EN 61340-4-1
- Seamless and jointless
- Jointless connection to walls and skirting
- High abrasion resistance, suitable for fork lift trucks and hand lifts
- Good chemical resistance
- Slightly to strong anti-skid surface
- Hygienic, no pores, impermeable to liquids
- Easy to clean and maintain
- With PU finish very high colour and UV-stability and high resistance against discolouration from food and beverages
- Fire resistance class Bfl-s1



VIASOL DESIGN QNV GREEN LINE ECO

- Excellent appearance
- Low emission according to AgBB requirements and other standards
- Wear coat monolithic solid-coloured
- Seamless and jointless
- Jointless connection to walls and skirting
- High abrasion resistance, suitable for fork lift trucks and hand lifts
- Good chemical resistance
- Slightly to strong anti-skid surface
- Hygienic, no pores, impermeable to liquids
- Easy to clean and maintain
- With PU finish good colour and UV-stability and high resistance against discolouration from food and beverages
- Fire resistance class Bfl-s1





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