



Heavy-duty Systems

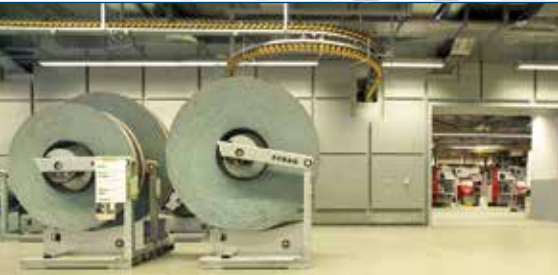
VIASOL **UNIVERSAL** *high-impact*

VIASOL **COMPACT**

VIASOL **COMPACT** *color*

viacor.

VIASOL SYSTEMS



Heavy-duty systems for extremely robust and long-lasting floors

These industrial floor coating systems have a proven track-record in terms of their durability over long periods. Regardless of whether the floors are subject to point loads as found in high bay warehouses, heavy rolling loads by e.g. fork lift trucks or heavy goods vehicles or whether the floor has to be super flat for use under air cushions, even long term exposure to water or aggressive chemicals, the VIACOR coating systems have been designed and formulated to meet these tough demands.

As an example, we use high-performance laminating resins together with special reinforcing textiles to form load distribution layers in critical areas. Our polyurethane based mortars have also proved their long term worth. As special variants the VIASOL **COMPACT** is available as **INDUSTRY** and **PHARMA TERRAZZO**.

SYSTEM BENEFITS

- extremely wear resistant, durable, capable of bearing heavy mechanical loads
- high impact resistance
- resistant to temperature fluctuations
- static, crack bridging with reinforcing fabric
- self-levelling, jointless
- good chemical resistance and very good resistance to abrasion
- hygienic, non-porous, liquid tight
- smooth, easy to clean
- resistant to backward moisture penetration
- available in a wide range of colours
- suitable for high bay warehouses with special load distribution layer, suitable for air cushions

SECTORS

Aerospace
High-bay warehouses
Air cushions

Industrial areas subjects to heavy loads
Military

Heavy industry
Heavy mechanical loads

Paper/Printing industry
Moderate chemical loads
Locomotive depots
Engine sheds

SYSTEM INFORMATION

Multi-layered system with complex layer structure or thick coating

Applicable standards;

DIN 18202: Tolerances in building construction – floor flatness: Table 3

Distance between measuring points in m	0,1	1	4	10	15
Limit value in mm:					
Line 1 (substrate)	10	15	20	25	30
Line 2 (screed)	5	8	12	15	20
Line 3 (flooring)	2	4	10	12	15
Line 4 (increased demands)	1	3	9	12	15

DIN 1504-2: Products and systems to protect and repair concrete structures

DIN 13813: Screed material and floor screets – properties and requirements

Properties:

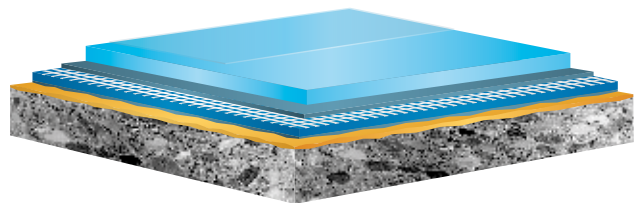
Suitable for air cushions if parameters in Table 3 Line 4 are satisfied



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Seal coat (optional)	transparent or coloured mat or glossy finish	EP-based
Coating	coloured, self-levelling	EP-based
Load distribution layer	with glass fabric	EP-based
Levelling layer (where required)		EP-based
Adhesive primer		EP-based
Substrate / concrete		

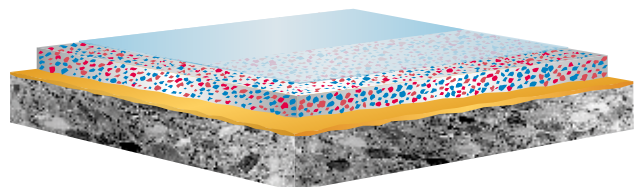
The crack-bridging coating system with glass fabric reinforcement for maximum mechanical loads and heavily cracked substrates, suitable for air cushions
System thickness approx. 3 – 6 mm



VIASOL **COMPACT**

Seal coat (optional)	transparent or coloured mat or glossy finish	EP-based
Pore sealer	transparent	EP-based
Synthetic resin screed	transparent binder with natural or colour quartz	EP-based
Adhesive primer		EP-based
Substrate / concrete		

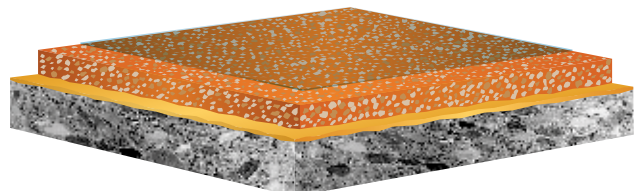
The synthetic resin screed system for heavy to maximum loads, with multi-colour appearance
System thickness 5 – 9 mm



VIASOL **COMPACT** *color*

Seal coat (optional)	transparent mat or satin finish	EP-based
Pore sealer	transparent	EP-based
Synthetic resin screed	coloured binder with special quartz mixture	EP-based
Adhesive primer		EP-based
Substrate / concrete		

The synthetic resin screed system with colored binder for heavy to maximum loads
System thickness 5 – 9 mm



Variations in system structure and layer thicknesses possible

Layer by layer your individual floor

VIACOR **Portfolio** – the tailor-made product for every application

VIASOL **SYSTEMS** – flooring systems for industrial and public floors

VIASOL **DECK** – state-of-the-art car park flooring systems

VIASEAL **SPRAY COATS** – advanced waterproofing

VIASAN **BUILDING PROTECTION** – for high-quality concrete repair

PORPLASTIC **SPORTS FLOORS** – for outdoor and indoor use, for sports and leisure

VIACOR **Perspective** – green and sustainable

the aim of keeping our planet a good place to live for the future reigns our company

- use of polyurethane as a natural renewable raw material from the castor oil plant
- fillers and pigments from natural sources e.g. quartz sands
- concentration on water-based and solvent free products
- a sustainable investment: VIASOL floors are long-lasting and can be easily revitalized for an even longer lifetime
- we control the processes of purchase, production, the products themselves and their application to be environmentally friendly



VIACOR **Global Presence**

German Technology – products and floorings around the world

Trinidad, Hongkong, Singapore, Romania, Greece, Australia, England, Austria, India, Malaysia, Norway, Vietnam, Hungary, Italy, Ireland, Thailand, Latvia, Bosnia, Qatar, Russia, Luxembourg, Slovenia, Netherlands, Egypt, Croatia, Belarus, Switzerland, Luxembourg, Slovenia, Algeria, Serbia, Finland, Saudi-Arabia, Chile, Turkey, Venezuela, Peru, Colombia, Macedonia, Brazil, US, Canada, Mauritius, Indonesia, Czech Republic, Hongkong

Heavy-duty Systems



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