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Coating systems for your
safe arrival.
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THE WELL-ESTABLISHED, GO-TO COMPANY FOR INNOVATIVE AND INDIVIDUAL SYNTHETIC RESIN FLOORING.

We, **VIACOR** Polymer GmbH, based in Rottenburg am Neckar, offer our customers a large variety of floor coating systems, from classic flooring systems through to highly durable, conductive, decorative or chemical-resistant special systems and car park coatings.

Our sports flooring brand, PORPLASTIC, includes flooring for sports centres, athletic tracks in stadiums, tennis courts, multifunctional fields and fall-protection surfaces in its range.

CONTENT

VIASOL

DECK SYSTEMS

VIASOL DECK SYSTEMS ARE SPECIALLY DEVELOPED SURFACE PROTECTION SYSTEMS DESIGNED FOR BUILDINGS WITH DRIVING AND PARKING AREAS.

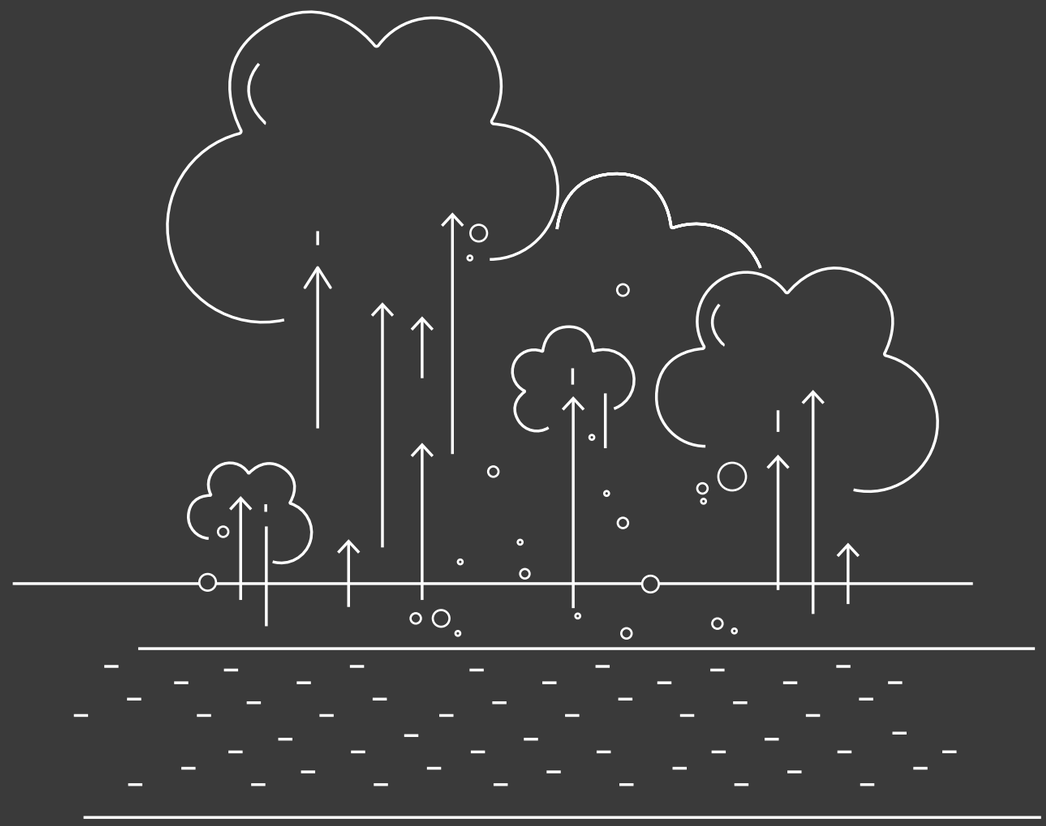
Within the last year in Germany alone, transport usage rose by 850.000 to 67,7 million, which represents a 1,3% increase. According to the Office for Motor Transport, cars amounted to the largest increase within the figure with a total of 48.540.878 units (a 0,6% increase).

But it's not only in Germany where the usage of motor vehicles is constantly on the rise. Due to a global upward trend, the car parking situation in urban areas is changing, as is the condition of the surfaces, due to the stresses caused by the unrelenting weight of so many vehicles.

Car parking surfaces are subjected to a continuous flow of heavy traffic and loads. For this reason, the flooring coating system serves to protect the surface, which in turn helps to protect the building from external wear and tear. The system prevents damage to concrete and steel reinforcements from aggressive factors such as de-icing salts or cracks. The cracks can appear as a result of the vibrations caused by moving vehicles, shrinkage and thermal changes.

As an innovative manufacturer of floor coatings, we are always mindful of the use of environmentally friendly and odourless products and this is especially important in cities or in more enclosed areas.

Depending on the area of application, there are varying requirements for the protection of the surface. The **VIASOL DECK** Systems are suitable for exposed car parking areas, intermediate decks, underground car parks and ramps as well as spiral ramps and walkways.



THE VIASOL **PERM** SYSTEM IS VAPOUR PERMEABLE AND WATERTIGHT AT THE SAME TIME - A PERFECT COMBINATION FOR UNDERGROUND CAR PARKS.

UNDERGROUND CAR PARKS

/ OPTIONAL VAPOUR PERMEABLE
/ WEAR-RESISTANT
/ CHEMICAL RESISTANCE
/ LIGHT AND FRIENDLY DESIGN
/ FIRE RESISTANCE CLASS B_{fl}-s1

An underground car park is space-saving and can be many floors deep, but the lower the car park goes, the more the building becomes prone to water vapour diffusion. When this is the case, it is advisable to install a vapour permeable surface protection system in the underground car park.

Water vapour permeable surface protection systems have anti-slip properties, are low in emissions, hard-wearing and watertight as well as being mechanically and chemically stable. An alternative to this is the traditional method, which has been successfully applied over the last 25 years – a vapour-tight system, like the system **VIASOL DECK 8** with or the system **VIASOL DECK OS8** without crack-bridging characteristics and a sealed double application of a primer coat.

The system **VIASOL PERM SR (OS8)** is an anti-slip, water vapour diffusible, water-based epoxy resin coating. It's very low in emissions, is durable and has good chemical and mechanical resistance as well as being available in a wide range of colours. The system is tested in accordance with DIN EN 1504-2 and DIN V 18026 in the OS8 class.

INTERMEDIATE DECK

/ COST-EFFECTIVE
/ COLOURFUL DESIGNS
/ CHEMICAL RESISTANCE
/ ABRASION RESISTANT
/ DYNAMIC CRACK BRIDGING
/ FIRE RESISTANCE CLASS B_{fl}-s1

Although the levels in a multi-storey car park aren't directly exposed to weathering coming from above, often the sides are open and hence the weather can affect its surfaces. These levels can be subjected to the cold, heat, vibrations, traffic and chemical substances.

A colour-coding system, which uses different surface colours within each level, is available. Modern car parks should be light, colourful and have a sympathetic design. Customers should experience a sense of well-being and be able to easily find their way around.

The system **VIASOL DECK 11b plus** is the preferred coating system for multi-storey car park levels below the top level. It meets all the necessary requirements as well as being a cost-effective solution.


VIASOL UREA S6001 P
VIASOL UREA S6001 P
A
2-K-UREA Verschleißschicht, farbtonstabil, farbig, glänzend
2-C-UREA wear coat, colour stable, coloured, glossy
22,30 kg
ca.: / appr.:
RAL 7004
3050190077097DP
A : B
100:12
in KG

RAMPS, SPIRAL RAMPS

/ HARD-WEARING
/ ANTI-SLIP
/ ABRASION RESISTANT
/ QUICK INSTALLATION
/ FIRE RESISTANCE CLASS B_{fl}-s1

Ramps and spiral ramps are often exposed to repeated wear and tear in the same areas, and spiral ramps are especially exposed to heavy wear. For this reason, a coating with high wear-resistance should be applied on surfaces exposed to heavy mechanical loads. The systems **VIASOL DECK OS8** and **VIASOL PERM SR (OS8)** should be used on these surfaces. The particularly cost-effective coating system **VIASOL DECK OS8** is laid seamlessly and without joints and impresses with its high wear resistance.

Due to the quick turnaround times, car parks only need to be closed for short periods during the refurbishment works. The rapid hardening systems shorten the times the car park is out of use and this in turn reduces costs considerably.

The **VIASOL DECK OS8** is the appropriate car park coating for ramps, spiral ramps and underground car parks that are accessible to both pedestrians and traffic, as well as for industrial flooring with a mid to heavy mechanical load. It also adheres to DIN EN 1504-2 and DIN V 18026 in the OS8 class.

VIASOL DECK SYSTEMS ARE QUICK-TO-HARDEN PRODUCTS PERFECT FOR PROTECTING SURFACES EXPOSED TO VERY HEAVY LOADS AND CAR PARKS EXPOSED TO THE ELEMENTS.

EXPOSED PARKING AREAS

/ WEATHER RESISTANT
/ TEMPERATURE- & SHOCK RESISTANT
/ RESISTANT TO DE-ICING SALT
/ WATERTIGHT
/ RESISTANT TO CHEMICALS
/ FIRE SAFETY CLASSIFICATION B_{fl}-s1

Exposed parking areas must be able to withstand all kinds of elements such as weather conditions, changes in the temperature, exposure to chemical substances and mechanical loads for long periods of time.

De-icing salts and other salt products pose the biggest threat to the surface. A lot of damage can be caused by salts permeating the building, but the right floor coating will prevent this from happening. The coating acts as a protective screen and has to be able to withstand exposure from elements such as UV radiation, environmental factors, chemicals, salts and general wear and tear.

The wear layer on the OS 10 System **VIASOL DECK spray UV** acts like a protective shield over the concrete and is the ideal product to protect the surface. Thanks to the high UV protection and the large choice of colours available, a bright, modern parking space with longevity is guaranteed.

VIASOL

TECHNICAL INFORMATION

SURFACE PROTECTION
/ OS 8 SYSTEMS
/ OS 10 SYSTEMS
/ OS 11A & OS 11B SYSTEMS
/ OS 13 SYSTEMS

COLOURS

Standard colours

Note: Changes in colour, shine and surface structure are possible.
The colours depicted on the screen and/or print-out can vary from the original.

SYSTEM OVERVIEW AREAS OF APPLICATION

System	**VIASOL DECK spray rapid** ≥ 3,5 mm	**VIASOL DECK spray UV** ≥ 4,5 mm	**VIASOL DECK spray EP** ≥ 4,5 mm	**VIASOL DECK M rapid** ≥ 3,5 mm	**VIASOL DECK M UV** ≥ 4,5 mm	**VIASOL DECK M EP** ≥ 4,5 mm	**VIASOL DECK 11a plus** ≥ 4,5 mm	**VIASOL DECK 11b plus** ≥ 4,5 mm	**VIASOL DECK OS8** ≥ 1,5 mm	**VIASOL PERM SR OS8** ≥ 1,5 mm	**VIASOL DECK 13** ≥ 2,5 mm	**VIASOL DECK 8** ≥ 2,5 mm
	OS10	**OS10 / OS11a**	**OS10 / OS11a**	**OS10**	**OS10 / OS11a**	**OS10 / OS11a**	***OS11a***	***OS11b***	***OS8***	***OS8***	***OS13***	***OS8***
Underground car park	-	-	-	-	-	-	-	-	x	x	x	x
Intermediate deck	-	-	-	-	-	-	x	x	-	-	x	x
Ramps/spiral ramps	x	x	x	x	x	x	-	-	x	-	x	x
Exposed parking areas	x	x	x	x	x	x	x	-	-	-	-	-

SYSTEM COMPARISON

System	**VIASOL DECK spray rapid** ≥ 3,5 mm	**VIASOL DECK spray UV** ≥ 4,5 mm	**VIASOL DECK spray EP** ≥ 4,5 mm	**VIASOL DECK M rapid** ≥ 3,5 mm	**VIASOL DECK M UV** ≥ 4,5 mm	**VIASOL DECK M EP** ≥ 4,5 mm	**VIASOL DECK 11a plus** ≥ 4,5 mm	**VIASOL DECK 11b plus** ≥ 4,5 mm	**VIASOL DECK OS8** ≥ 1,5 mm	**VIASOL PERM SR OS8** ≥ 1,5 mm	**VIASOL DECK 13** ≥ 2,5 mm	**VIASOL DECK 8** ≥ 2,5 mm
	OS10	**OS10 / OS11a**	**OS10 / OS11a**	**OS10**	**OS10 / OS11a**	**OS10 / OS11a**	***OS11a***	***OS11b***	***OS8***	***OS8***	***OS13***	***OS8***
Dynamic and static crack bridging	IV_{T+V} / B4.2	IV_{T+V} / B4.2	IV_{T+V} / B4.2	IV_{T+V} / B4.2	-	-	B3.2	B3.2	-	-	A2	A2 / A3
Basic examination DIN EN 1504-2	ja	ja	ja	ja	ja	ja	ja	ja	ja	ja	ja	ja
Classification in accordance with DIN V 18026	-	ja	ja	-	-	-	ja	ja	ja	ja	ja	ja
Test certificate	OS10	OS10 / OS11a	OS10 / OS11a	OS10	OS10	OS10	OS11a	OS11b	OS8	OS8	OS13	OS8
Listing OS F - ZTV-ING, Teil 7	-	ja	ja	-	-	-	ja	ja	-	-	ja	ja
UV- und farbtonbeständige Versiegelung	-	ja	-	ja	ja		optional	optional	optional	-	ja	ja

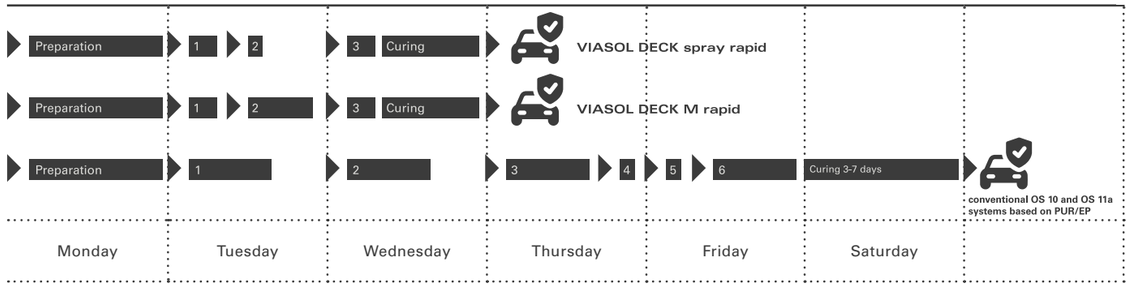
FEATURES OF THE VIASOL SYSTEM

- DE-ICING SALT RESISTANT
- ABRASION RESISTANT
- TEMPERATURE- & SHOCK RESISTANT
- WATER VAPOUR PERMEABLE
- MANY COLOUR VARIETIES
- BRIGHT AND FRIENDLY LOOK
- FAST PROCESSING TIME
- WATERTIGHT
- CHEMICALLY RESISTANT
- ANTI-SLIP
- WEATHER RESISTANT
- FIRE RESISTANCE CLASS B_{fl}-s1 in accordance with DIN EN 13501-1
- COST-EFFECTIVE
- MECHANICALLY RESISTANT
- HARD-WEARING
- STATIC/DYNAMIC CRACK BRIDGING

SAFETY AND ATTRACTIVENESS FOR TRAFFIC AREAS IN CAR PARKS AND UNDERGROUND CAR PARKS. STATE-OF-THE-ART SYNTHETIC RESIN TECHNOLOGY AND TESTED ACCORDING TO THE CURRENT REGULATIONS.

ADVANTAGE OS 10 SYSTEMS

COMPARISON OF VIASOL DECK OS 10 SYSTEMS OVER TIME



Note: In direct comparison to conventional OS 10 or OS 11a systems based on PUR/EP, time savings of several days can be achieved with the VIASOL DECK spray rapid and VIASOL DECK M rapid systems.

With conventional systems, six work steps are normal: primer (1), waterproofing membrane (2), wear coat (3), broadcast quartz sand (4), sweeping away excess quartz sand (5) and sealer (6). The area is usually only passable after a waiting period of several days.

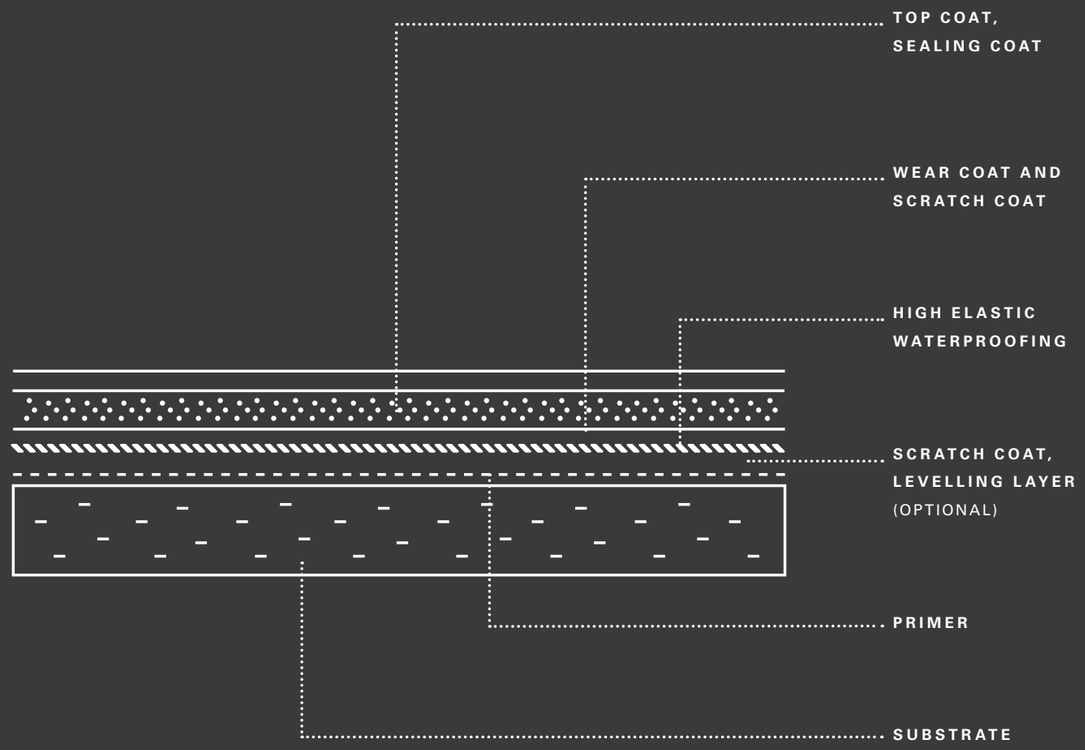
In contrast, the VIASOL DECK systems only require the work steps of primer (1), waterproofing membrane (2) (applied mechanically or manually), and wear coat (3). Due to the fast-curing polyurea base of the wear layer, the system can be driven on the very next day in many environmental conditions.

OS 10 SYSTEM-MODULAR KIT

Sealer	VIASOL PU-S690 P / VIASOL UREA S6400 P UV- and colour stable	VIASOL EP-S602 Cost efficient	VIASOL UREA S6001 P „Ready-to-use"-Wear coat without sanding and top sealer, UV- and colour stable	
Wear Coat	VIASOL PU-L315 Broadcast layer, either fast or low curing			
Waterproofing membrane	VIASEAL UREA HYBRID 21/60 Sprayed applied		VIASOL PU-L2000 Manually applied	
Primer	VIASOL PU-P215 / VIASOL EP-T703 S Fast curing	VIASOL EP-T703 Clear resin, fillable	VIASOL EP-P210 Moisture resistant, pre-filled	VIASOL EP-P203 Cost efficient, pre-filled

Note: The VIASOL DECK OS 10 systems correspond to a modular kit. The modular system enables the preferred product to be selected at every level of the coating system. This makes it particularly easy to put together the best possible OS 10 system according to the individual requirements of each construction project.

VIASOL DECK SYSTEMS



VIASOL DECK spray rapid

- Fast and low temperature curing (open to traffic after 48 hours)
- Machine applied waterproofing membrane
- Highest wear resistance
- 0% plasticizer
- 90% sand reduction
- Short installation times
- No rashes
- Environmental friendly due to renewable raw materials and CO_2 friendly
- Certified according to DIN EN 1504-2 and DIN EN V18026, RILI SIB 2001, class OS10
- Increased dynamic crack bridging class B4.2 at -20 ° C
- Fire resistance class B_{fl}-s1

VIASOL DECK M rapid

- Fast and low temperature curing (open to traffic after 48 hours)
- Manual processing
- Highest wear resistance
- 0% plasticizer
- 90% sand reduction
- Short installation times
- No rashes
- Environmental friendly due to renewable raw materials and CO_2 friendly
- Certified according to DIN EN 1504-2 and DIN EN V18026, RILI SIB 2001, class OS10
- Increased dynamic crack bridging class B4.2 at -20 ° C
- Fire resistance class B_{fl}-s1

VIASOL DECK spray / M UV
VIASOL DECK spray / M EP

- Fast and low temperature curing (VIASOL *DECK spray UV*: (open to traffic after 24 hours | VIASOL *DECK spray EP*: can be installed within 48 hours, open to traffic after 72 hours)
- Dynamic crack bridging accord. to DIN EN 1062-7 class B4.2 (-20°C) / RILI SIB class IV $_{T+V}$
- Jointless and seamless mechanical application of horizontal and vertical membrane
- Separate waterproofing and scratch coat
- High abrasion resistance
- Chemical resistance to oil, petrol, diesel and de-icing salt
- Anti-slip surfaces for pedestrians and vehicles
- Available in many colours
- With PU finish very high colour and UV stability and high resistance to discolouration
- Fire resistance class B_{fl}-s1

VIASOL DECK 11a plus

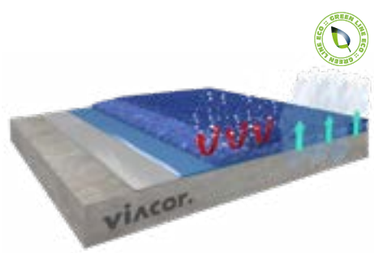
- Dynamic crack bridging accord. to DIN EN 1062-7 class B3.2 (–20°C)
- Jointless application for reliable seal
- Separate flexible membrane and wear coat
- High abrasion resistance
- Chemical resistance to oil, petrol, diesel and de-icing salt
- Anti-slip surfaces for pedestrians and vehicles
- Available in many colours
- With PU finish very high colour and UV stability and high resistance to discolouration from food and beverages
- Fire resistance class B_{fl}-s1

VIASOL DECK 11b plus

- Dynamic crack bridging accord. to DIN EN 1062-7 class B3.2 (–20°C)
- Jointless application for reliable waterproofing
- Combined wear and scratch coat for an economical system built-up
- High abrasion resistance
- Chemical resistance to oil, petrol, diesel and de-icing salt
- Anti-slip surfaces for pedestrians and vehicles
- Available in many colours
- With PU finish very high colour and UV stability and high resistance to discolouration
- Fire resistance class B_{fl}-s1

VIASOL PERM SR (OS8) GREEN LINE ECO

- Anti-slip surfaces
- Good water vapour permeability, no blistering from hydrostatic pressure
- Low emission according to AgBB and Singapore Green Label certified
- No odour or taste cross-contamination across foodstuffs
- High abrasion resistance and impact strength
- Chemical resistance
- Seamless and jointless
- Watertight
- High colour resistance indoors
- Available in many colours
- Good adhesion to concrete and other substrates
- Fire resistance class B_{fl}-s1



VIASOL DECK OS8

- Economical coating system for car park areas and industrial floors
- Jointless connection for a convenient surface protection
- Suitable for concrete base with ground contact
- High abrasion resistance
- Chemical resistance to oil, petrol, diesel and de-icing salt
- Anti-slip surfaces for pedestrians and vehicles
- Available in many colours
- ≥ 1.5 mm system coating strength according to DIN EN 13813
- ≥ 2.5 mm system coating strength according to DIN EN 1504-2 and DIN V 18026
- Fire resistance class B_{fl}-s1

VIASOL DECK 13

- Static crack bridging class A2 (–10 °C) accord. to DIN EN 1062-7
- Tough scratch coat
- High abrasion resistance
- Chemical resistance to oil, petrol, diesel and de-icing salt
- Anti-slip surfaces for pedestrians and vehicles
- Available in many colours
- Fire resistance class B_{fl}-s1

VIASOL DECK 8

- Static crack bridging class A2 (–10 °C) accord. to DIN EN 1062-7
- Tough scratch coat
- High abrasion resistance
- Chemical resistance to oil, petrol, diesel and de-icing salt
- Anti-slip surfaces for pedestrians and vehicles
- Available in many colours
- Fire resistance class B_{fl}-s1

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FLOORING SYSTEMS!

Functional
Floor Coatings.

+49 7472 94999-0 info@viacor.de

VIACOR Polymer GmbH
Graf-Bentzel-Str. 78
72108 Rottenburg

01/2023