



# Water vapour permeable Systems

VIASOL**PERM** (SR)

VIASOL**PERM** *conductive*

**viacor.**

# VIASOL SYSTEMS



## Water vapour permeable systems for damp substrates and early age concrete

Ultramodern water-based coating systems solve numerous problems that, unfortunately, occur frequently: High moisture levels in the substrates make it impossible to use coatings which are impervious to water vapour. Also the question of whether coatings can be applied to early age concrete arises frequently. In all of these cases, the VIASOL**PERM** coatings allow the substrate to breathe. The result is a load-bearing and attractive floor.

This system concept has a promising future and development work continues in our laboratories. There is a symbiosis between technical and cost advantages. The trend toward permeable coatings continues.

### SYSTEM BENEFITS

- water vapour permeable
- self-levelling, jointless
- wear resistant, durable in the context of moderate loads
- good abrasion and chemical resistance
- surfaces ranging from smooth to slip resistant
- hygienic, non-porous and liquid tight
- complies with EU food industry regulations
- easy to clean
- resistant to backward moisture penetration
- available in a wide range of colours
- also serves as a fine porous moisture barrier layer below vapour-proof coatings
- minimal emission acc. to AgBB

### SECTORS

## Renovation

Storage areas

## Early age concrete

Workshops

## Industrial areas

Production areas

## Damp substrates

## Magnesite coatings

Anhydrite screeds

### SYSTEM INFORMATION

#### Two to four-layer water based EP coating systems

- tested properties
- suitable for driving access, partially certified according OS8, capable of bearing heavy mechanical loads
- resistant to DIBT test liquids 1, 3, 10, 11
- diffusion-equivalent air layer thickness for water vapour diffusion: 43 m (class II)
- diffusion-equivalent air layer thickness for CO<sub>2</sub>-diffusion: 82 m (>50 m is considered non-permeable to CO<sub>2</sub>)



## VIASOLPERM

<b>Seal coat</b> (optional)	transparent or coloured, water vapour permeable	EP water-based
<b>Coating</b> with chips as an option	coloured, self-levelling, water vapour permeable	EP water-based
<b>Scratch coat</b> (where required)	levelling layer, water vapour permeable	EP water-based
<b>Adhesive primer</b>	water vapour permeable	EP water-based
<b>Substrate / concrete</b>		

Coating will be broadcasted with quartz sand according slip-resistance class and sealed.

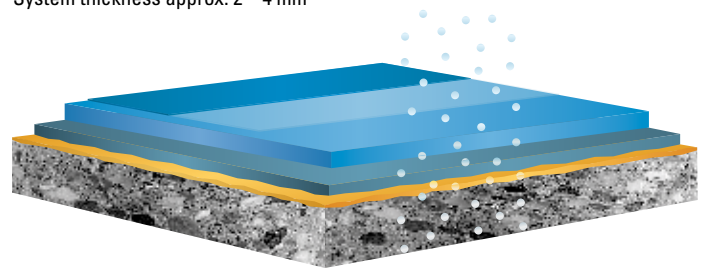
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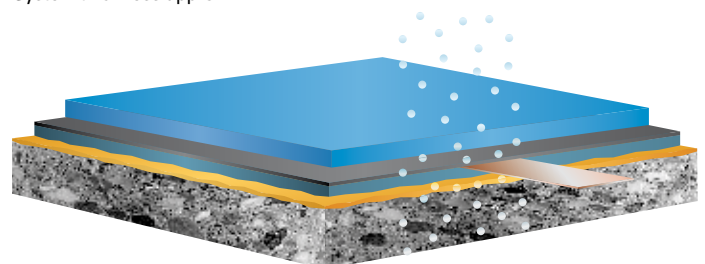
## VIASOLPERM *conductive*

<b>Coating</b>	coloured, self-levelling, water vapour permeable, conductive	EP water-based
<b>Conductive layer</b>	water vapour permeable, with copper tape wall connection	EP water-based
<b>Scratch coat</b> (where required)	levelling layer, water vapour permeable	EP water-based
<b>Adhesive primer</b>	water vapour permeable	EP water-based
<b>Substrate / concrete</b>		

The water vapour permeable coating system with minimal emissions for moisture-sensitive substrates, magnesite and anhydrite screeds and early age concrete  
System thickness approx. 2 – 4 mm



The water vapour permeable and conductive coating system with minimal emissions for moisture-sensitive substrates, magnesite and composition floors and early age concrete  
System thickness approx. 2 – 4 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, Australia, England, Austria, India, Malaysia, Greece, Norway, Vietnam, Hungary, Austria, Thailand, Germany, Latvia, Bosnia, Qatar, Ireland, Russia, Luxembourg, Slovenia, Netherlands, Egypt, Croatia, Belarus, Switzerland, Luxembourg, Slovenia, Algeria, Serbia, Finland, Mauritius, Canada, US, Peru, Colombia, Saudi-Arabia, Chile, Turkey, Venezuela, Brazil, Macedonia, Czech Republic, Hongkong

## Water vapour permeable Systems



Research and development



Production



Technical and application support



Tried and tested system ...



... for each and every demand.

**viacor.**

**VIACOR Polymer GmbH**  
Graf-Bentzel-Str. 78  
72108 Rottenburg a. N.  
Germany

Tel. + 49 07472 94999-0  
Fax + 49 07472 94999-39  
info@viacor.de  
www.viacor.de

**VIACOR ASIA SDN BHD**  
No.5, Jalan Sungai Terap 32/182,  
Bukit Rimau Industrial Park,  
40460 Shah Alam, Selangor  
Malaysia

Tel. + 60 3 5131 7777  
Fax + 60 3 5131 7878  
info@viacor.asia  
www.viacor.asia