

# Water-based system solutions for industry

Low emissions and versatility

Floor coating



Coating for  
industrial use

Electrically conductive  
coating

Floors that look good always make a great first impression. They have to combine the ability to withstand a variety of sources of stress with eco-friendly attributes. Our water-based coating systems meet and exceed these requirements.



# Building with conscience with water-based system solutions

## Water-based sealing and coating systems

System	StoFloor Industry WL 100	StoFloor Industry WL 150	StoFloor Industry WL 200	StoFloor Industry WB 100
<b>System build-up</b>				
Primer	StoPox WG 100 or StoPox WL 100	StoPox WG 100 or StoPox WL 150	StoPox WG 100 or StoPox WL 200	StoPox WG 100
Levelling coat (optional)	StoPox WG 100 + StoQuarz	StoPox WG 100 + StoQuarz	StoPox WG 100 + StoQuarz	StoPox WG 100 + StoQuarz
Coating				StoPox WB 100
Sealing coat	StoPox WL 100 <sup>[1]</sup>	StoPox WL 150	StoPox WL 200	StoPox WL 100 <sup>[1]</sup> , StoPox WL 150 <sup>[2]</sup> , or StoPox WL 200 <sup>[3]</sup>
Scattering (optional)	StoChips	StoChips		StoChips
Sealing coat (optional)	StoPox WL 100 transparent <sup>[1]</sup> or StoPox WL 150 transparent <sup>[2]</sup>	StoPox WL 150 transparent		StoPox WL 100 transparent <sup>[1]</sup> or StoPox WL 150 transparent <sup>[2]</sup>
<b>Properties</b>	<ul style="list-style-type: none"> <li>• Smooth surface</li> <li>• Scattered system build-up for slip-resistant surface available</li> </ul>	<ul style="list-style-type: none"> <li>• Smooth surface</li> <li>• Scattered system build-up for slip-resistant surface available</li> </ul>	<ul style="list-style-type: none"> <li>• Slip-resistant surface R10</li> </ul>	<ul style="list-style-type: none"> <li>• Smooth surface</li> <li>• High temperature resistance against dry heat</li> <li>• System build-up for clean rooms: StoFloor Cleanroom WB 100</li> </ul>
<b>Appearance</b>	<ul style="list-style-type: none"> <li>• Gloss or silk matt appearance</li> <li>• Excellent light fastness when applied in interiors</li> </ul>	<ul style="list-style-type: none"> <li>• Silk matt appearance</li> <li>• Excellent light fastness when applied in interiors</li> </ul>	<ul style="list-style-type: none"> <li>• Silk gloss appearance</li> <li>• Excellent light fastness when applied in interiors</li> </ul>	<ul style="list-style-type: none"> <li>• Gloss, silk matt, or silk gloss appearance</li> <li>• Excellent light fastness when applied in interiors</li> </ul>
<b>Colour range</b>	RAL colour fan K 5, StoColor System, NCS	RAL colour fan K 5, StoColor System, NCS	RAL colour fan K 5, StoColor System, NCS	RAL colour fan K 5, StoColor System, NCS
<b>Application</b>	<ul style="list-style-type: none"> <li>• Floors, walls, and ceilings</li> <li>• Clean rooms</li> <li>• Areas used by trade and the public</li> <li>• Industrial flooring</li> <li>• Rooms in the food-processing industry</li> <li>• For reworking load-bearing existing coatings</li> </ul>	<ul style="list-style-type: none"> <li>• Floors, walls, and ceilings</li> <li>• Areas used by trade and the public</li> <li>• Industrial flooring</li> <li>• For reworking load-bearing existing coatings</li> </ul>	<ul style="list-style-type: none"> <li>• Floors</li> <li>• Areas used by trade and the public</li> <li>• Industrial flooring</li> <li>• For reworking load-bearing existing coatings</li> </ul>	<ul style="list-style-type: none"> <li>• Floors</li> <li>• Clean rooms</li> <li>• Areas used by trade and the public</li> <li>• Industrial flooring</li> </ul>
<b>Substrates</b>	<ul style="list-style-type: none"> <li>• Concrete, also in the case of rising damp</li> <li>• Cementitious screed, also in the case of rising damp</li> <li>• Calcium sulphate screed</li> <li>• Magnesite screed</li> <li>• Load-bearing epoxy resin existing coatings</li> </ul>	<ul style="list-style-type: none"> <li>• Concrete, also in the case of rising damp</li> <li>• Cementitious screed, also in the case of rising damp</li> <li>• Calcium sulphate screed</li> <li>• Magnesite screed</li> <li>• Load-bearing epoxy resin existing coatings</li> </ul>	<ul style="list-style-type: none"> <li>• Concrete, also in the case of rising damp</li> <li>• Cementitious screed, also in the case of rising damp</li> <li>• Calcium sulphate screed</li> <li>• Magnesite screed</li> <li>• Load-bearing epoxy resin existing coatings</li> </ul>	<ul style="list-style-type: none"> <li>• Concrete, also in the case of rising damp</li> <li>• Cementitious screed, also in the case of rising damp</li> <li>• Calcium sulphate screed</li> <li>• Magnesite screed</li> </ul>

<sup>[1]</sup> Gloss appearance

<sup>[2]</sup> Silk matt appearance

<sup>[3]</sup> Silk gloss appearance

Floors that look good always make a great first impression. They have to withstand a variety of sources of stress as well as meet the increasing demand for eco-friendly attributes. Our water-based floor coating and sealing systems are totally free of solvents and plasticisers and have been tested in accordance with the assessment scheme of the Committee for Health-related Evaluation of Building Products\* in Germany. They are easy to apply and can be relied upon to create a relaxed ambient interior climate.

Image on right:  
**Carl Zeiss, Aalen, DE**  
 StoCretec expertise:  
 StoFloor Industry WL 100,  
 StoFloor Industry WL 200

### Conductive, water-based floor coating systems

System	StoFloor ESD WB 110	StoFloor ESD WL 113	StoFloor ESD WL 213
<b>System build-up</b>			
Primer	StoPox WG 100	StoPox WL 113	StoPox WL 213
Levelling coat (optional)	StoPox WG 100 + StoQuarz		
Ground	StoDivers LB 100 and StoDivers LS	StoDivers LB 100 and StoDivers LS	StoDivers LB 100 and StoDivers LS
Conductive layer	StoPox WL 118 or StoPox WL 110		
Coating	StoPox WB 110 <sup>[2]</sup>	StoPox WL 113	StoPox WL 213
Sealing coat (optional)	StoPox WL 113 <sup>[1]</sup> or StoPox WL 213 <sup>[2]</sup>		
<b>Properties</b>	<ul style="list-style-type: none"> <li>• System resistance &lt;10<sup>9</sup> ohms</li> <li>• Charging of persons &lt; 100 volt in combination with StoPox WL 113 or StoPox WL 213</li> <li>• Meets personal protection requirements in combination with StoPox WL 118</li> <li>• Electrostatic leakage resistance &lt;10<sup>8</sup> ohms</li> <li>• High temperature resistance against dry heat</li> <li>• System build-up for clean rooms: StoFloor Cleanroom WB 110</li> </ul>	<ul style="list-style-type: none"> <li>• System resistance &lt;10<sup>9</sup> ohms</li> <li>• Charging of persons &lt;100 volts</li> <li>• Meets personal protection requirements</li> <li>• Electrostatic leakage resistance &lt;10<sup>8</sup> ohms</li> </ul>	<ul style="list-style-type: none"> <li>• System resistance &lt;10<sup>9</sup> ohms</li> <li>• Charging of persons &lt;100 volts</li> <li>• Meets personal protection requirements</li> <li>• Electrostatic leakage resistance &lt;10<sup>8</sup> ohms</li> </ul>
<b>Appearance</b>	<ul style="list-style-type: none"> <li>• Gloss or silk matt appearance</li> <li>• Excellent light fastness when applied in interiors</li> </ul>	<ul style="list-style-type: none"> <li>• Gloss appearance</li> <li>• Excellent light fastness when applied in interiors</li> </ul>	<ul style="list-style-type: none"> <li>• Silk matt appearance</li> <li>• Excellent light fastness when applied in interiors</li> </ul>
<b>Colour range</b>	RAL colour fan K 5, StoColor System, NCS, limited selection of colour shades	RAL colour fan K 5, StoColor System, NCS, limited selection of colour shades	RAL colour fan K 5, StoColor System, NCS, limited selection of colour shades
<b>Application</b>	<ul style="list-style-type: none"> <li>• ESD-protected areas</li> <li>• Server rooms</li> <li>• Clean rooms</li> <li>• Battery rooms</li> <li>• Areas exposed to explosive hazards</li> <li>• Production halls and storage areas for electronic components</li> <li>• Production halls in the automotive industry</li> </ul>	<ul style="list-style-type: none"> <li>• ESD-protected areas</li> <li>• Server rooms</li> <li>• Clean rooms</li> <li>• Battery rooms</li> <li>• Rooms with highly sensitive electronic equipment</li> <li>• Warehouses for combustible materials</li> </ul>	<ul style="list-style-type: none"> <li>• ESD-protected areas</li> <li>• Server rooms</li> <li>• Clean rooms</li> <li>• Battery rooms</li> <li>• Rooms with highly sensitive electronic equipment</li> <li>• Warehouses for combustible materials</li> </ul>
<b>Substrates</b>	<ul style="list-style-type: none"> <li>• Concrete, also in the case of rising damp</li> <li>• Cementitious screed, also in the case of rising damp</li> <li>• Calcium sulphate screed</li> <li>• Magnesite screed</li> </ul>	<ul style="list-style-type: none"> <li>• Concrete, also in the case of rising damp</li> <li>• Cementitious screed, also in the case of rising damp</li> <li>• Calcium sulphate screed</li> <li>• Magnesite screed</li> <li>• Load-bearing existing and new conductive or insulating EP coatings</li> </ul>	<ul style="list-style-type: none"> <li>• Concrete, also in the case of rising damp</li> <li>• Cementitious screed, also in the case of rising damp</li> <li>• Calcium sulphate screed</li> <li>• Magnesite screed</li> <li>• Load-bearing existing and new conductive or insulating EP coatings</li> </ul>

\*AgBB = Committee for Health-related Evaluation of Building Products

<sup>[1]</sup> Gloss appearance

<sup>[2]</sup> Silk matt appearance



## And for good reason

### **Free of organic solvents and plasticisers**

Health is a valuable asset. Therefore, we take great care to ensure that the enjoyment of our floor coatings is not tarnished by unpleasant odours from solvents or plasticisers either during application or subsequently when the floors are in use.

### **Water-dilutable and water vapour permeable**

The work is done. The coating is finished. Now for the tedious task of cleaning. Tools and mixing containers can be cleaned quickly and easily with water.

Calcium sulphate screed, magnesite screed, or concrete in contact with the ground: water vapour permeability prevents the formation of osmotic bubbles on these critical substrates. StoPox WL 100, StoPox WL 150, StoPox WL 113, and StoPox WL 213 for airless spray application. On larger surfaces, airless technology saves both time and money.

### **Custom colour shades**

Our water-based coatings can be tinted in various colours in line with the RAL colour fan, the StoColor System, or NCS, for example. Your chosen colour shade can be mixed in next to no time in Sto's SalesCentres.



## KIT Präsidium, Karlsruhe, DE

StoCretec expertise: StoPox WG 100, StoPox WB 100, StoPox WL 100, StoPox WL 150 transparent, Sto Ballotini

Photo: Daniel Wieser, Karlsruhe

## Properties

- Solvent-free and odourless
- Free of plasticisers such as benzyl alcohol and nonylphenol
- Meet the test criteria for VOC emissions in accordance with the assessment scheme of the Committee for Health-related Evaluation of Building Products (AgBB)
- Easy application and tool cleaning, as water-dilutable
- StoPox WL 100, StoPox WL 150, StoPox WL 113, and StoPox WL 213 save significant time thanks to airless technology
- Floors can be coated without interrupting production
- Coating of critical substrates
- Suitable for rising damp on rear side
- Water vapour diffusion open
- For low and medium levels of exposure to stress
- Wide range of design options when it comes to colours

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