With PRIMIS®, WACKER offers a range of specially designed polymer dispersions that stand out by their performance and innovation potential. The latest development within this state-of-the-art portfolio is the PRIMIS® SAF 9000 series: a series of highly resistant, extremely fine particulate polymer dispersions that combine both oleophobicity and hydrophobicity – which opens up a spectrum of innovative applications.

Novel Surface Treatment for Mineral Floors
Products of the PRIMIS® SAF 9000 series are newly developed waterborne dispersions with high molecular weight and ultra-fine particle size that are oleophobic as well as hydrophobic. In dilute form they constitute a very effective dirt-repellent surface treatment for decorative mineral surfaces, such as self-leveling flooring compounds and concrete floors.

Long Term Protection
Due to the extremely fine particle size with diameters of less than 0.1 micrometers, the dispersions are able to penetrate into the very fine micropores of mineral surfaces providing long lasting protection against the most diverse stains. Red wine, coffee, ketchup or oil can be simply wiped off the treated surface without leaving any residue.

Product Data of PRIMIS® SAF 9000
<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polymer composition</td>
<td>Styrene acrylic</td>
</tr>
<tr>
<td>Minimum film-forming</td>
<td>13 °C</td>
</tr>
<tr>
<td>temperature (MFFT)</td>
<td></td>
</tr>
<tr>
<td>T&lt;sub&gt;g&lt;/sub&gt;</td>
<td>22 °C</td>
</tr>
<tr>
<td>Solid content</td>
<td>42 ± 1%</td>
</tr>
<tr>
<td>Particle size</td>
<td>&lt;0.1 µm</td>
</tr>
<tr>
<td>Viscosity</td>
<td>50 – 500</td>
</tr>
<tr>
<td>pH</td>
<td>6.5 – 7.5</td>
</tr>
</tbody>
</table>

PRIMIS® SAF 9001 renders surfaces stain-resistant: on untreated decorative mineral floors, coffee and blackcurrant juice leave distinctive stains even after wiping with a wet sponge (left). On the treated flooring (right), both substances can easily be completely removed by moist wiping.
Improved Mechanical Properties  
As PRIMIS® SAF 9000 dispersions are composed of a highly resistant polymer, the surface treatment greatly increases the mechanical properties of the flooring, such as abrasion resistance and durability.

Easy-to-use and Short Drying  
PRIMIS® SAF 9000 dispersions are applied in dilute form, for example with a mop brush. They are absorbed quickly and floors are accessible after only a short time.

Exempt from Labeling  
PRIMIS® SAF 9000 and 9001 is exempt from labeling requirements and according to the German Federal Institute for Risk Assessment (BfR) is even suitable for contact with food and drinking water (Bf Recommendation XIV). The new dispersions are thus an environmentally compatible option for a wide variety of interior and exterior applications.

Benefits of the Series PRIMIS® SAF 9000 at a Glance:
- Ease of application
- Fast drying time
- UV resistant
- Alkaline resistance
- Abrasion resistance
- Stain resistance
- For indoor and outdoor
- Natural look
- BfR XIV and FDA compliant

Application Areas of PRIMIS® SAF 9000 Series on Floors

- Surface Treatment
- Surface Treatment with Improved Performance

Additional Benefits of PRIMIS® SAF 9001 at a Glance
- Improved abrasion resistance
- Improved stain resistance
- Increased hydrophobicity
- No need for film forming agents