

STAIN PROTECTION | FLOORING | EMEA

# PRIMIS® SAF 9000 SERIES

## Innovative Oleo- and Hydrophobic Dispersions for Flooring Applications

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.

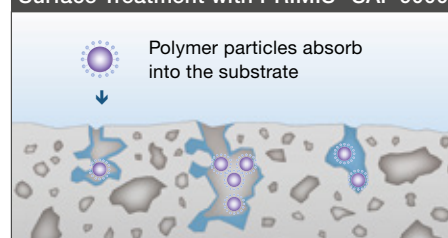
#### Product Data of PRIMIS® SAF 9000

Polymer composition	Styrene acrylic
Minimum film-forming temperature (MFFT)	13 °C
T <sub>g</sub>	22 °C
Solid content	42 ± 1%
Particle size	<0.1 µm
Viscosity	50 – 500
pH	6.5–7.5

### Long Term Protection

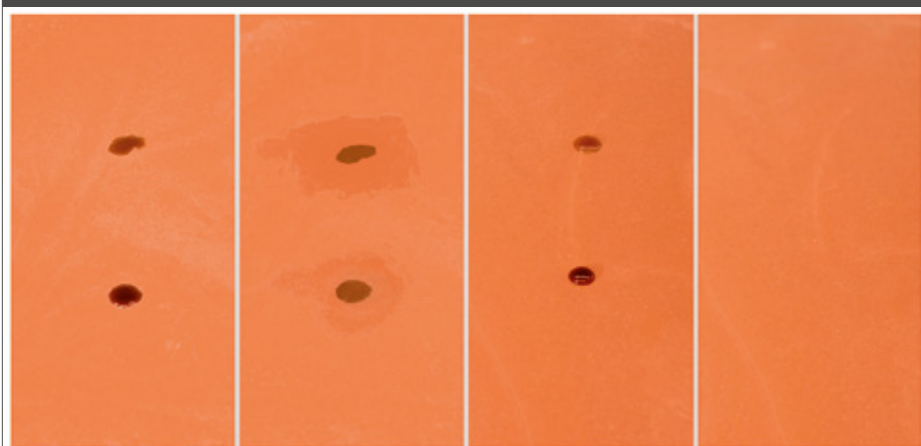
Due to the extremely fine particle size with diameters of less than 0.1 micrometers, the dispersions are able to penetrate into the very fine micropores of mineral surfaces providing long lasting protection against the most diverse stains. Red wine, coffee, ketchup or oil can be simply wiped off the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

#### Surface Treatment with PRIMIS® SAF 9000



The PRIMIS® SAF 9000 dispersions contain extremely fine particles that distribute evenly into the micro and submicropores of the treated surfaces preventing the dirt from penetrating the substrate.

#### Stain Test

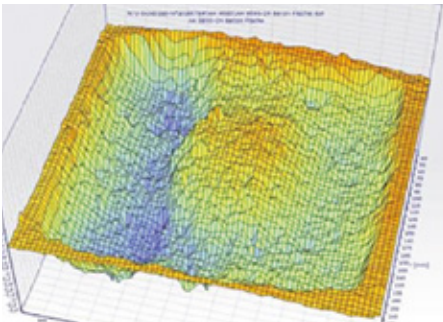


PRIMIS® SAF 9001 renders surfaces stain-resistant: on untreated decorative mineral floors, coffee and blackcurrant juice leave distinctive stains even after wiping with a wet sponge (left). On the treated flooring (right), both substances can easily be completely removed by moist wiping.



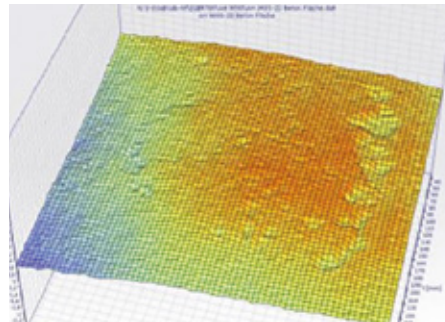
### Improved Mechanical Properties

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.



A surface scan after abrasion testing on a concrete plate clearly shows how treatment with PRIMIS® SAF 9000 prevents erosion. The sample on the left shows severe surface erosion. While the sample on the right which was treated with PRIMIS® SAF 9000 shows enhanced abrasion resistance.

### 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



#### Additional Benefits of PRIMIS® SAF 9001 at a Glance

- Improved abrasion resistance
- Improved stain resistance
- Increased hydrophobicity
- No need for film forming agents

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