

## Vitasmart 9004



Free from preservatives, dull matt interior emulsion, wet abrasion resistance class 3, easy to apply



### Field of application

For interior ceiling and wall coats free from preservatives, on load-bearing substrates, such as interior plaster, concrete, gypsum plasterboard, fiber cement and sand-lime brickwork. Due to the good flow properties particularly suitable for first and renovation coatings on structured surfaces, such as woodchip wallpaper. Long application time guarantees lap-mark-free and even surfaces.

### Properties

- Free from preservatives and thus suitable for allergy sufferers
- Low-emission, solvent and plasticizer-free
- Complies with the requirements of the Committee for the Health-related Evaluation of Building Products (AgBB)
- Highly diffusible, corresponds to class I in accordance with DIN EN ISO 7783
- Free of fogging-active substances
- Very good hiding power
- Very good flow properties
- Long application time
- Easy to use

### Material description

<b>Standard color shade</b>	0095 White Brighter color shades without preservatives are available as factory-made tinting.
<b>Base material</b>	Polymer emulsion, titanium dioxide, calcium carbonate, silicates, polymer filler material, water and additives
<b>VOC</b>	EU limit value for this product (Cat. A/a): 30 g/l (2010). This product contains max. 1 g/l VOC.
<b>Density</b>	Approx. 1.53 g/cm <sup>3</sup>

## Material description

<b>Water vapor permeability</b>	Diffusion equivalent air layer thickness: $S_d (H_2O) < 0.1 \text{ m}$ , corresponds to class I "highly water-vapor-permeable" in accordance with DIN EN ISO 7783
<b>Classified according to EN 13300</b>	<ul style="list-style-type: none"><li>- Wet abrasion resistance: Class 3</li><li>- Contrast ratio (white): Class 2 at <math>8 \text{ m}^2/\text{l}</math></li><li>- Gloss: dull matt</li><li>- Maximum grain size: fine</li></ul>
<b>Reaction to fire</b>	A2 – s1, d0 in accordance with DIN EN 13501-1 ("nichtbrennbar", non-combustible) In system build-up with Briplast filler material according to classification report no. 230010838-3.
<b>Packaging</b>	0095 white: 5 l, 10 l

## Use

<b>Thinning</b>	If necessary, thin slightly with water.
<b>Tinting</b>	Preservative-free tinting possible with Vitamix 9018.
<b>Compatibility</b>	Can only be mixed with materials of the same type and those specified in this Data Sheet.
<b>Application</b>	Vitasmart 9004 can be applied using a brush, roller and Airless spray application.
<b>Consumption</b>	Approx. $120\text{--}140 \text{ ml/m}^2$ for each coat. Determine the exact consumption by means of a test application on the object to be coated.
<b>Application temperature</b>	Do not apply if air or object temperature is below $+5^\circ\text{C}$ .
<b>Tool Cleaning</b>	Clean tools immediately after use with water.

## Spray data

Spray system	Nozzle	Spray angle	Pressure	Thinning
Airless	0.021–0.027 Inch	$40^\circ\text{--}80^\circ$	150 bar	Approx. 5%

## Drying (+20 °C, 65 % relative humidity)

Surface dry and recoatable after 4–6 hours.  
Allow longer drying times at lower temperatures and/or higher air humidity.

## Storage

Store in a cool and frost-free place. Reseal opened containers tightly.  
Apply material within 60 months.

## Declaration

<b>Notes</b>	Do not inhale spray mist.
<b>Product code</b>	BSW10 Comply with the specifications in the current Safety Data Sheet.

**Substrate preparation**

The substrate must be solid, dry, clean, load-bearing, and free from efflorescences, sintered layers, separating agents, corrosive components, or other composite-damaging intermediate layers. Check existing coatings for their suitability, load-bearing capacity and adhesive properties. Thoroughly remove defective and unsuitable coatings and dispose of them in accordance with the applicable regulations.

Thoroughly wash off limepaint. Wash down intact coats of oil paints and varnishes with an alkaline solution, sand well and clean. Completely remove wall coverings, including remains of paste and paper waste.

Treat replastered areas with a fluorine primer; if color coated, treat the entire surface. Apply a prime and/or intermediate coat to the substrate as required. See also VOB Part C, DIN 18363, Section 3.

**First coats, free from preservatives**

Substrates	Prime coat	Intermediate coat	Top coat
Interior plaster <sup>1)</sup> , concrete	If necessary, Vitabase 9002, Wall Primer ELF 3729 or Wall Primer, coarse ELF 3728	Vitasmart 9004	Vitasmart 9004
Gypsum plaster <sup>1)</sup> , gypsum plasterboard <sup>2)</sup> , gypsum plasterboard panels	Depending on the individual requirements Vitabase 9002, Wall Primer ELF 3729 or Wall Primer, coarse ELF 3728		
Aerated concrete, interior	Vitabase 9002		
Wall coverings, e.g. woodchip wallpaper, Rapid Nonwoven, embossed wallpaper			

<sup>1)</sup> Minimum compressive strength > 2.0 N/mm<sup>2</sup> (Compressive strength category CS II, CS III, CS IV as well as B1–B7).

<sup>2)</sup> Prime soft and very absorbent filler zones and substrates with Vitabase 9002 as part of substrate preparation.

**Renovation coatings, free from preservatives**

Substrates	Prime coat <sup>1)</sup>	Intermediate coat	Top coat
Normally absorbent substrates, e.g. matt emulsion paint coats	If necessary, Vitabase 9002, Wall Primer ELF 3729 or Wall Primer, coarse ELF 3728	Vitasmart 9004 depending on the object and the requirements	Vitasmart 9004
Non-absorbent or slightly absorbent substrates, e.g. oil and enamel paint coats, gloss emulsion paint coats	Adhesion Primer ELF 3720		
Intact, two-component coating, e.g. CreaGlas 2K PU Finish 3471	2K-Aqua Epoxy Primer 2373		

<sup>1)</sup> When priming with Vitabase 9002, Wall Primer ELF 3729 or Wall Primer, coarse ELF 3728 the complete coating build-up remains free from preservatives.

**Notes**

**Coating build-up free from preservatives**

Exclusively use Vitabase 9002, Wall Primer ELF 3729 or Wall Primer, coarse ELF 3728 to guarantee the coating build-up is free from preservatives. Only the intermediate or top coat with Vitasmart 9004 is free from preservatives if other prime coats are necessary.

**Hairline-crack-bridging coating on plasterboard**

A hairline-crack-bridging coating, e.g., on plasterboard, gypsum fiber boards, etc. in accordance with VOB part C, DIN 18363, section 3.2.1.2, can be achieved by means of full-surface reinforcement with nonwoven wall coverings based on cellulose and fiberglass.

**Discolorations on gypsum plasterboard**

An additional sealing coating must be applied if there is a risk of discolorations penetrating through the untreated gypsum plasterboard. Use Aqualoma ELF 202, Isolating Primer 924 or CreaGlas 2K PU Finish 3471 depending on the situation on site. For an accurate assessment, sample coatings of various panel widths, including the joints and filled areas, have proved to be useful.

**Filling rough surfaces**

Smooth rough surfaces before the coating build-up by filling them with, e.g. Vitafill 9001, as required.

**Priming gypsum plaster**

The stabilization on highly absorbent gypsum plaster is not always sufficient. We recommend testing the adhesion of the complete coating build-up with an adhesive tape test (e.g. Tesa Precision Masking Tape, Gold 4334) to ensure a reliable assessment. If necessary, prime with deep penetrating primer.

**For use with an incidence of grazing light**

We recommend using Vitasense 9005 – free from preservatives – for surfaces with an incidence of grazing light.

## Notes

### **Increased surface cleaning properties, free from preservatives**

For creating surfaces that are easy to clean (e.g. several, individual cleaning processes with a damp sponge) we recommend using products, such as Vitashine 9006 – free from preservatives – meeting wet abrasion resistance class 1 and moderate gloss.

### **Compatibility with sealant**

When coating sealants, e.g. acrylic sealing compounds, cracks may arise in the coating material due to the sealant's higher elasticity. Moreover, discoloration may also occur in the coating. Due to the wide range of sealing systems available on the market, individual testing is required in each case to assess the adhesion and the application results.

### **Repairs**

Repairs to the surface become more or less strongly apparent depending on the situation on the site. According to BFS Leaflet no. 25, Section 4.2.2.1, Paragraph e) this is unavoidable.

### **Further information**

Follow the instructions on the data sheets of the products used.

## Remark

This Data Sheet is based on extensive development work and years of practical experience. The translation corresponds to the current German version, in compliance with the German laws, regulations, standards and guidelines. Its content does not constitute a contractual legal relationship. The user/buyer is not released from the responsibility of checking our products to ensure they are suitable for the intended application. In addition, our general terms of business apply.

When a new version of this Data Sheet with updated information is published, the previous version no longer applies. The current version is available on our website.

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