

## Vitasmart 9004



preservative-free, sustainable, all-round interior emulsion paint, dull matt, wet abrasion resistance R-class 3, easy to apply



Color System

### Field of application

For preservative-free, sustainable ceiling and wall coatings indoors, on load-bearing substrates, e.g. interior plaster, concrete, gypsum plasterboard, fibrous cement and limestone brickwork. Due to the good leveling properties, especially suitable for initial and renovation coatings on textured substrates, e.g. woodchip wallpaper. The long open time allows lap-mark free and uniform surfaces to be created.

### Properties

- Preservative-free, solvent-free and plasticizer-free, low-emission
- Contains CO<sub>2</sub>-reduced binder due to the use of renewable raw materials
- Filled in recycled containers
- Corresponds to requirements set out by "Ausschuss zur gesundheitlichen Bewertung von Bauprodukten" (AgBB, German Committee for Health-Related Evaluation of Building Products)
- Highly diffusible, complies with Class I in accordance with DIN EN ISO 7783
- Free of fogging-active substances
- Very good hiding power
- Very good flow properties
- Long open time
- Easy to apply
- For indoor use
- Suitable for allergy sufferers

### Material description

<b>Colors</b>	0095 white Light color shades can be mixed with the Brillux Color System while maintaining compliance with preservative-free properties.
<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>Classified in accordance with EN 13300</b>	Wet abrasion resistance: R-class 3 Contrast ratio: H <sub>10</sub> -class 2 (at 8 m <sup>2</sup> /l) Gloss: G4 dull matt Maximum grain size: S1 fine
<b>Water-vapor-permeability</b>	Diffusion-equivalent air layer thickness: S <sub>d</sub> (H <sub>2</sub> O) < 0.1 m in accordance with DIN EN ISO 7783, corresponds to class V <sub>1</sub> "high water vapor permeability" in accordance with DIN EN 1062-1
<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>	5 l, 15 l

## Use

<b>Thinning</b>	If necessary, thin slightly with water.
<b>Tinting</b>	Can be tinted with Full Color and Tinting Paint 951. The Brillux Color System can be used for mixing to maintain the preservative-free characteristic.
<b>Compatibility</b>	Can only be mixed with similar materials and those stipulated in this data sheet.
<b>Application</b>	Vitasmart 9004 can be applied by using a brush, roller or airless spray application.
<b>Consumption</b>	Approx. 120–140 ml/m <sup>2</sup> per layer. 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°C.
<b>Tool cleaning</b>	Clean tools with water immediately after use.

## Spray data

Spray system	Nozzle	Spray angle	Pressure	Thinning
Airless	0.021–0.027 Inch	40°–80°	150 bar	Approx. 5%

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

Surface dry and recoatable after approx. 4–6 hours.  
Allow for longer drying time if the temperature is lower and/or the humidity is higher.

## Storage

Sealed containers should be stored in a cool and frost-free place for up to 5 years. Reseal opened containers tightly and use material within a few days of opening.

## Declaration

**Notes** Do not inhale spray mist.

**Product code** BSW10  
Comply with the specifications in the current safety data sheet.

## Coating build-up

**Substrate preparation** The substrate must be solid, dry, clean, load-bearing and free from efflorescence, sinter layers, separating agents, corrosion-promoting components or other intermediate layers affecting the adhesion. Check the suitability, load-bearing capacity and adhesive properties of existing coatings. Thoroughly remove defective and unsuitable coatings and dispose of them in accordance with the applicable regulations. Thoroughly rinse off reversible, water-sensitive coats (e.g. distemper). Wash down intact coats of oil paints and enamels with an alkaline solution, sand well and clean. Completely remove any wall coverings that are not suitable for painting; this includes any paste or wall-glue residue. Treat replastered areas with a fluorine primer; if the subsequent paint coat is to be tinted, prime 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 3729 or Wall Primer, coarse 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 3729 or Wall Primer, coarse 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 3729 or Wall Primer, coarse 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 3720		
Intact, two-component coating, e.g. CreaGlas 2K PU Finish 3471	2K-Aqua EP Primer 2373		

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

Notes

**Coating build-up free from preservatives**

Exclusively use Vitabase 9002, Wall Primer 3729 or Wall Primer Coarse 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 gypsum plasterboard**

Hairline-crack-bridging coating on, e.g., gypsum plasterboard, gypsum fiber boards or similar substrates, in accordance with VOB Part C, DIN 18363, para. 3.2.1.2, can be achieved with full-surface reinforcement with, e.g., 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 bleeding through the untreated gypsum plasterboard. Depending on the situation on site, use Aqualoma 202, Isolating Primer 924 or CreaGlas 2K-PU Finish 3471. For an accurate assessment, sample coatings of various panel widths, including the joints and filled areas, have proved to be useful.

**Filling rough surfaces**

If necessary, smooth rough surfaces before the coating build-up by filling them with, e.g., Vitafill 9001 – preservative-free.

**Priming gypsum plaster**

For gypsum-based plasters with strong absorbency, sufficient stabilization is not always achieved. 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. Where appropriate, implement priming with Deep Penetrating Primer.

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

We recommend using Vitasense 9005 for preservative-free surfaces with an incidence of grazing light.

## Notes

### **Increased surface cleaning properties, preservative-free**

For creating surfaces that are easy to clean (e.g. repeated, partial cleaning with a damp sponge), we recommend using products, such as Vitashine 9006 – free from preservatives – that have a wet abrasion resistance R-class 1 and medium gloss.

### **Compatibility with sealing compounds**

When coating sealing compounds, e.g. acrylic sealing materials, due to higher elasticity, cracks can occur in the coating material. This may also cause discoloration in the coating. Due to the wide variety of sealing systems on the market, it is vital to perform tests for each individual case to assess the adhesion and application result.

### **Touch-ups**

Touch-ups to part of a surface are always visible. The degree to which they stand out depends on the situation on 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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