

Vitasense 9005

Free from preservatives, dull matt interior emulsion, wet abrasion resistance class 1, high covering capacity, for interior use



Field of application

For high-quality, interior ceiling and wall coats free from preservatives, e.g. interior plaster, concrete, woodchip wallpaper, gypsum plasterboard, fiber cement, sand-lime brickwork. The material is particularly suitable for renovation coats as the excellent hiding power usually means you need only one coat. Also suitable for larger surfaces subject to an incidence of grazing light.

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
- Outstanding hiding power
- Excellent surface finish
- Long application time
- Very easy to apply

Material description

Standard color shade	0095 White Brighter color shades without preservatives are available as factory-made tinting.
Base material	Polymer emulsion, titanium dioxide, calcium carbonate, silicates, polymer filler material, water and additives
VOC	EU limit value for this product (Cat. A/a): 30 g/l (2010). This product contains max. 1 g/l VOC.
Density	Approx. 1.5 g/cm ³

Material description

Water vapor permeability	Diffusion equivalent air layer thickness: $S_d(H_2O) < 0.1$ m, corresponds to class I "highly water-vapor-permeable" in accordance with DIN EN ISO 7783
Classified according to EN 13300	<ul style="list-style-type: none">- Wet abrasion resistance: class 1- Contrast ratio (white): class 1 at 8 m²/l- Gloss: dull matt- Maximum grain size: fine
Reaction to fire	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.
Packaging	5 l, 15 l

Use

Thinning	If necessary, thin slightly with water.
Tinting	Preservative-free tinting possible with Vitamix 9018.
Compatibility	Can only be mixed with materials of the same type and those specified in this Data Sheet.
Application	Vitasense 9005 can be applied using a brush, roller and Airless spray application.
Consumption	Approx. 120–140 ml/m ² for each coat. Determine the exact consumption by means of a test application on the object to be coated.
Application temperature	Do not apply if air or object temperature is below +5°C.
Cleaning tools	Clean tools immediately after use with water.

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 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

Notes	Do not inhale spray mist.
Product code	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 ¹⁾ , concrete	If necessary, Vitabase 9002, Wall Primer ELF 3729 or Wall Primer, coarse ELF 3728	Vitasense 9005	Vitasense 9005
Gypsum plaster ¹⁾ , gypsum plasterboard ²⁾ , gypsum wallboard	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			

¹⁾ Minimum compressive strength > 2.0 N/mm² (Compressive strength category CS II, CS III, CS IV as well as B1–B7).

²⁾ 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 ¹⁾	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	Vitasense 9005 depending on the object and the requirements	Vitasense 9005
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		

¹⁾ 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 Vitasense 9005 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 2C 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.

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.

Notes

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.
Applying thin layers on smooth substrates	When applying thin layers to create surfaces with minimal texture on smooth substrates (e.g. filled gypsum plasterboard), additional coats may be required to achieve sufficient covering power or other measures may be required in building up the coating. Please contact Brillux consulting service, as required.
Projection surfaces	As a result of the very white and matt surface also suitable as coating for projection surfaces (without determining the Gain factor).
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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