

ISOBELL SiPAINT

Anti-condensation potassium silicate water-based paint with hollow glass microspheres - DIN 18363

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PRODUCT DESCRIPTION

Active-protection mineral paint for interiors with potassium silicates and high diffusion capacity. Glass microspheres increase the anti-condensation effect.

TECHNICAL PROPERTIES

Complete interior wall paint with high diffusion capacity, allowing good transpiration with water vapour permeability above 90%. Solvent-free, with a pleasant odour; its mineral nature with chemical adhesion changes the concept of adhesion to the substrate: it penetrates deep into the pores of the wall, then reacts with its components to form a stable silicifying whole.

The thermal expansion of the applied film is identical to that of the substrate and, thanks to its high breathability, it offers a good anti-condensation function; the alkaline environment of the surface (pH 9-10) is unfavourable to mould growth.

Product packaged in accordance with DIN N. 18363 2.4.6. (organic content below 5%)

WET ABRASION RESISTANCE:
CATEGORY 3 ACCORDING TO EN 13300

HIDING POWER: CLASS 1 ACCORDING TO EN 13300

COLOUR: WHITE

APPLICATION CONDITIONS

Temperature: 8 - 30°C;
Relative humidity: max 70%

Masonry stone and any type of plaster. The SiPAINT system can be applied directly on surfaces treated with mineral paints or on new surfaces. Never apply on gypsum or plasterboard, in direct sun, or on hot or wet walls. New plaster or patches must be properly cured.

DILUTION and pH

Dilute 15 to 20%
pH 9-10 .

CONSUMPTION

9 m2/l per coat.
Coverage may vary depending on the absorbency of the surfaces to be treated.

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DRYING

Dust-free 30 minutes
Touch dry 1-2 hours
Through dry 16-24 hours

Data refer to 20° C and 65% R.H.; drying times depend closely on the conditions of moisture and temperature.

STORAGE AND MIXING

Keeps for 12 months in the original, tightly closed containers stored indoors, away from direct sunlight, at a temperature between + 5° C and + 35° C. Protect from frost. Do not mix with other products. Any mixing alters the properties and quality of the product.

PACKAGING

SiPAINT 5 litres

METHODS AND TOOLS

Apply by roller, brush or spray.

SUBSTRATE PREPARATION

OLD SUBSTRATES
On old substrates, remove old paint by brushing, fill any holes or imperfections in the wall with a suitable filler, then fix with BINDER potassium silicate anchoring primer

SUBSTRATES ALREADY PAINTED WITH SILICATE PAINTS Remove any stains, consolidate the substrate with BINDER fixative primer and paint.

NEW SUBSTRATES
Apply one coat of BINDER according to the absorbency of the substrate, before application.

Before overcoating, it is advisable to wait until the first coat is completely dry.

WARNINGS

The instructions and technical details in this technical data sheet are based on our best knowledge and experience.
To avoid film-forming defects, the application temperature must be between + 5° C and + 35° C with relative humidity not above 60/70%. Do not apply in direct sun or wind.

- If the substrate is new, make sure it has cured for at least 28 days.

- Check the condition of the surface. It must be sound. Otherwise, rebuild or consolidate it with specific products.

- If mould is present, treat the surface with PURE+ cleaner
- Remove any efflorescence by brushing or washing.

- With old lime or distemper paints, remove flaking and poorly adhering parts.

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- Remove deposits of dust, smog and other matter by brushing.
- Level out irregularities in the substrate. Indoor holes, cracks, fissures and hollows can be treated with SiNERGY.
Seal cracks with suitable sealants.
- Sand fillings and patches with sandpaper; remove the dust.
- Carry out any skimming on plaster according to the type of substrate.
- On very powdery surfaces, or with thin layers of old distemper or deteriorated paint, use BINDER fixative primer. Where absorption is uneven, apply a bonding coat of SiPRIME.
- Apply the product as described in the application instructions.

It is also advisable not to use tints from different production batches on large surfaces, as slight differences between batches are technically possible. Please check the colour before application, as we will not accept claims regarding the shade of the applied product.
Always finish application at edges, string courses or areas where lap marks cannot show. To ensure complete drying and curing of the paint film within 10-15 days, strictly observe the weather conditions above.

Rain or high humidity, such as night-time condensation or fog occurring while the resin is curing, may in fact cause so-called “snail trails” (whitish translucent streaks).

*(The dilution of the primer and the quantity to apply depend on the absorbency of the substrate and must be determined by preliminary tests on the specific substrate - See the relevant technical data sheet).

SPECIFICATION TEXT

SiPAINT
Spread the adhesive with a 4-5 mm notched trowel Smooth silicate paint for interiors.
Application, on prepared surfaces, of SiPAINT with stabilised potassium disilicates, solvent-free, in at least 2 coats, in quantities determined by the absorbency of the substrate.

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The data and information above are based on our careful studies and experience. Since the conditions of use may be affected by factors beyond our control, we cannot accept any liability for the results obtained. In all cases, we recommend checking the suitability of the product by means of preliminary sample tests.

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