

Colour technology

INDOOR SILICATE COLOUR BIOWEISS SK 500



- > high coverage
- > high permeability
- > wash-resistant



Product description

High quality natural silicate colour for indoors with high coverage (Class 2) and range (10 m²/l). The highly permeable coating enables breathable exchange of moisture with the substrate, thus preventing mould and algae. Water-dilutable, low emission, and solvent-free.

For breathable wall and ceiling coatings on mineral surfaces such as all sorts of concrete and limestone masonry, as well as for the renovation of load-bearing mineral or silicate colour coatings. Suitable for allergy sufferers (test certificate available with dermatological test). Recommended for coatings in schools, kindergartens, public buildings, as well as for the care of monuments.

Delivery format

Container	Outer packaging	Pallet
25 KG / KE	-	24 KE
15 KG / KE	-	40 KE
5 KG / KE	-	85 KE

Storage

Can be stored frost-free, cool, and dry on wooden shelves in the unopened original container for 730 days

Processing

Recommended tools

Brush, roller, airless sprayer.
Wash the tools with clean water after use.

Processing

Murexin Indoor Silicate Colour Bioweiss SK 500 can be applied by painting, rolling, or using an airless sprayer. The primer can be diluted with max. 10% water; the top coat must be applied undiluted or with max. 5% water.

When using an airless sprayer, the material should be diluted with max. 10% water for better processing. We also recommend the use of a 0.025" nozzle.

Technical data

Density	1.55 kg/l
sD value	0.01 - 0.02 m
Colour	White. can be tinted with max. 10% spot, base, and tinting colours
Gloss	matt
Consumption	approx. 200 - 250 g/m ² per coat
Dilution	Water; first coat max. 10%, topcoat undiluted
Drying time	after 5 - 8 hrs surface dry, after approx. 12 hrs re-coatable
Wet abrasion class	Class 3
Coverage	Class 2, for yield 10 m ² /l
Whiteness	80 (as per Berger)
org. Anteil	< 5%
Grain size	fine

Test certificates

Tested in accordance with (standard, classification ...)

ÖNORM EN 13300

Österreichisches Umweltzeichen UZ 17

Substrate

Suitable substrates

Lime cement and cement plasters P Ic, P II, P III

Lime cement and cement plasters P II and P III

Gypsum and ready-made plasters P IV & PV

Plasterboards and gypsum plasterboards

Concrete, Aerated concrete

Exposed masonry

Load-bearing old coatings

The substrate must be dry, frost-free, solid, weight-bearing, dimensionally stable, free of dust, dirt, oil, grease, release agents, and loose parts, and it must comply with the applicable technical national and European directives, standards, and "generally accepted rules of the trade".

For a perfect system

Description

Murexin Silicate Primer Fixaktiv SK 11 for priming sandy and absorbent substrates on cement, lime, lime cement or silt base, as well as chipboard.

Murexin Deep Primer LF 14 for priming gypsum-based fillers and plasters as well as for gypsum plasterboards.

Product and processing instructions

Material information:

- The material properties may change significantly when working outside the ideal temperature and/or humidity range.
- Bring materials up to temperature accordingly before processing!
- To retain the product properties, no foreign materials may be mixed in!
- Water dosing amounts or dilution specifications must be precisely kept!
- Check coloured products before use for colour consistency!
- Colour evenness can only be guaranteed within a batch.
- Environmental conditions significantly influence colouring.
- Carefully open the container, remove possible dry patches, and stir the product well!
- Water-based systems have a limited shelf life after dilution with water; therefore, we recommend the quickest possible processing.
- Always work wet-in-wet to prevent deposits.
- The final wash or abrasion resistance is reached after approx. 28 days.

Environmental information:

- Do not process at temperatures below + 5°C!
- The ideal temperature range for material, substrate, and air is +15°C to +25°C.
- The ideal relative air humidity range is between 40% to 60%.
- Increased humidity and/or lower temperatures delay and lower air humidity and/or higher temperatures accelerate drying, setting, and hardening.
- Ensure sufficient ventilation during the drying, reaction, and hardening phase; avoid draughts!
- Protect from direct sunlight, wind, and weather!
- Protect adjacent components!

Tips:

- We always recommend creating a test surface in advance or small-scale testing.
- Observe the product data sheets of all MUREXIN products used in the system.
- Keep a genuine original batch of the product for repair work.
- If intensive, brilliant, and dark colours are used, we recommend using wet abrasion class ≤ 2 in at least "silk matt" (gloss level $>15/60^\circ$ MW) and to level the substrate in "white" beforehand.
- For oblique light we recommend using wet abrasion, class ≤ 2 in "dull matt" (gloss level $<5/85^\circ$ MW).

The information provided reflects average values obtained under laboratory conditions. Due to the use of natural raw materials, the indicated values of individual deliveries may vary slightly without impacting the product suitability.

Safety instructions

Limiting and monitoring exposure

Personal protective equipment:

General protection and hygiene measures:

- Observe the usual precautionary measures when dealing with chemicals.
- Keep away from foodstuffs, beverages, and feedstuffs.
- Take dirty, soaked clothing off immediately.
- Wash your hands before breaks and after finishing work.

Breathing protection: not required.

Hand protection: protective gloves.

Glove material

- The selection of a suitable glove depends not only on the material, but also on other quality properties, which may vary from manufacturer to manufacturer.

Penetration time of the glove material

- The precise penetration time is to be found out from the protective glove manufacturer and complied with.

Eye protection: Protective goggles recommended when decanting.

Body protection: occupational protective clothing.

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Please observe the current, technical, national and European standards, guidelines and data sheets regarding materials, substrates and the subsequent construction. Please contact us if you have any reservations or doubt.

This version is rendered invalid if a new version is released. The most recent data sheets, safety data sheets and the terms and conditions are available online at www.murexin.com.