

## Interior silicate paint highly diffusible (breathable), matt

- mould-inhibiting effect
- wet-scrub resistance 3 and coverage 2
- solvent and plasticiser-free
- low emission
- free from fogging-active substances



## Applications

- paint with good coverage on mineral substrates
- optimum final coat for the AKURIT KIP lime interior plaster line
- supports a healthy indoor climate
- for old and new buildings and the restoration sector
- for interior use

## Properties

- TÜV externally monitored
- solvent-free
- plasticiser-free
- low emission
- organic concentration < 5%
- Fire behaviour A2-s1, d0 according to EN 13501-1
- free from preservatives
- highly water vapour permeable
- good workability

## Appearance

- White, limited tinting possible
- colours: in accordance with ColorPoint 20.10 colour palette

## Substrate

### Suitable substrates

- mineral-bound substrates
- especially for products from the akurit KIP lime plaster family

### Condition / Testing

- Substrate should be appraised taking into consideration the instructions of the German Construction Contract Procedures (VOB) part C, DIN 18363, the BFS-data sheet no. 10 and the manufacturer's specifications.
- The substrate must be dry, load-bearing, clean, dust-free and free of adhesion-reducing residues, release agents, efflorescence and sintered coatings.
- Test existing coatings for load capacity (e.g. carry out peel-off or cross-cut test).
- Damp or incompletely-adhered substrates can lead to damage in the subsequent coatings.

### Pretreatment

- Non-load-bearing coatings must be completely removed.
- Depending on the type and condition of the substrate, it may be necessary to prime with akurit GTM Mineral Deep Primer to consolidate or regulate absorbency.
- Prime extremely or variably absorbent substrates with AKURIT GTM mineral deep primer.
- Primers may not form a gloss layer.

## Processing

### Temperature

- Do not process or allow to dry out at air, material or substrate temperatures below +5°C, or if there is a risk of exposure to night frost, or at temperatures above +30°C, or in direct sunlight, or on heated up surfaces, and/or in windy conditions.

### Mixing / Preparing / Processing

- Stir product well before use.
- In general, as little clean tap water as possible should be used to adjust the consistency, up to a maximum of 5%.

### Applying / Processing / Assembling

- Apply material cross-wise with paint roller or brush.
- Can be alternatively applied with an appropriate airless-appliance.
- The following parameters are recommended for airless application: Spray angle 50°; Nozzle 0.018"-0.026"; Spray pressure 150-180 bar
- Use product for preliminary and final coat.
- Allow adequate drying times between layers.

### Drying / Hardening

- The coating is dry to the touch and can be re-treated after approx. 8 hours drying time (at +20 °C and 65% relative humidity).
- Low temperatures and/or high humidity will delay drying, while high temperatures and/or low humidity accelerate it.
- Through-dried and load-bearing after approx. 3 to 4 days.

### Tool cleaning

- Clean all tools and equipment with water immediately after use.

### Notes

- Carefully cover adjacent surfaces and components (e.g. windows, window sills, etc.). Wash off contamination immediately with water.
- Check the color shade before processing by comparing it with the color sample or reference surface (BFS data sheet 25). Slight color deviations from previous deliveries are possible. Different batches must be mixed before processing.

## Packaging

- 12.5 l/bucket

## Storage

- Store in the original, unopened packaging in dry, frost-free conditions.
- Protect against direct sunlight.
- Seal opened container well and use up within a short period.
- Can be stored for at least 12 months in sealed original container.

## Quantity required / Yield

- consumption: approx. 0.20 l/m<sup>2</sup> per application
- The amount used depends on the condition of the substrate, the dilution and the application method. Determine the exact value by trial application on the object.

## Technical Data

<b>Density</b>	1.5 - 1.7 g/cm <sup>3</sup>
<b>Wet abrasion resistance</b>	Class 3 according to DIN EN 13300
<b>Coverage</b>	Class 2 according to DIN EN 13300
<b>Gloss</b>	dull matt according to DIN EN 13300
<b>Yield</b>	6 m <sup>2</sup> /l according to DIN EN 13300
<b>Water vapour diffusion resistance <math>\mu</math></b>	36 averaged value
<b>Diffusion-equivalent air layer thickness (<math>s_{d-value}</math>)</b>	< 0.01 m V1 (high)
<b>Grain size</b>	< 100 $\mu$ m S1 (fine)

All data are average values that were determined under laboratory conditions according to relevant test standards and application tests. Deviations are possible under practical conditions.

## Safety and disposal instructions

### Safety

- In the event of contact with eyes or skin, immediately rinse thoroughly with water.
- Follow further instructions in the safety data sheet.
- VOC content:  
EU limit value for this product (product category A/a): 30 g/l
- This product contains  $\leq 1$  g/l VOC.

### GISCODE

- BSW40 (coating materials, water-based, alkaline)

### Disposal

- Dispose of the material in accordance with the official regulations.
- Completely empty and recycle the packaging.

## General notes

This information sheet provides only general recommendations. Should you have any queries relating to a specific application, please contact our technical sales advisor or call our hotline: +49 541 601-601. All of the details given are based on our current knowledge and experience and on the assumption that the materials are professionally applied and used for their normal purpose. All of the details are non-binding and do not release users from their duty to undertake their own tests to ensure suitability for the intended application. Due to the effects of different weather, processing and construction site conditions, no guarantee can be given for the general validity of all details. We reserve the right to make changes as a result of further development of the product and applications engineering. The general rules for construction engineering, the valid standards and guidelines, and the technical working guidelines must be observed. The publication of this technical data sheet renders all previous editions of this data sheet void. Please obtain the latest information from our website.