



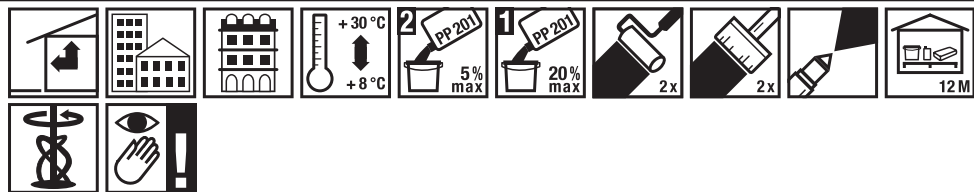
# HASIT PI 261 ÖKOSIL OPTI

## Silicate Premium Interior Paint

**Areas of application:** Diffusion-open, mineral-bound Premium interior paint based on potassium silicate. The product is characterised by a very high covering power and an excellent degree of whiteness. Ideal for use on all common wall and ceiling surfaces in heavily used areas such as department stores, offices, schools, government offices and also staircases. Objects that need to be quickly renovated and reused also fall within the area of application of the paint. The residents are spared the annoying smell of paint. Particularly suitable for unpainted, mineral plasters of mortar groups PI, II and III, old silicate paintwork and ingrain wallpaper.

- Properties:**
- Highly diffusion-open and moisture-regulating
  - High opacity, very high whiteness
  - Mineral silicification on mineral substrates
  - Mineral, fine surface
  - Pollutant-free (VOC)
  - According to the principles of building biology and healthy living
  - Prevents mold thanks to its pH value

**Application procedure:**



Technical data	
Item no.	2000954344
EAN	4038502159540
Customs Tariff No.	32061900
Packaging type	
Quantity per unit	12.5 l/unit
Unit per pallet	32 unit/Pal.
Colour	White
Consumption	approx. 0.145 l/m <sup>2</sup> /c.
Density	approx. 1.48 kg/l
sd value	< 0.02 m
pH-value	approx. 11
VOC content	max. 30 g/l
Contrast ratio	Class 1, at 6 m <sup>2</sup> /l (EN 13300)
Resistant to wet scuffing	Klasse 2
Shine	matt, G ≥ 10 at angle 85°, G3
Grain size	fine < 100 µm, S1

- Material base:**
- Binder: Potassium silicate
  - Organic additives less than 5 %
  - Pigments: titan dioxide, mica, calcium carbonate, aluminium silicate
  - Fillers: calcium carbonate, silicates, marble flour
  - Additives: Resources for re-netting, defoamers



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<b>Application conditions:</b>	During processing and drying, the ambient or substrate temperature must not fall below 8 °C. The drying time depends on the construction site conditions. At a relative humidity of 65% and an ambient temperature of 20 °C, the surface is dry and can be painted over after approx. 5 hours. The coating is fully dry and resilient after approximately 3 days.
<b>Surface:</b>	The surface must be without dust and filth. Substrates must be load-bearing. Cross-cut characteristics 0 and 1 according to EN 2409 must be achieved.
<b>Types of substrate:</b>	<p><b>Plaster of mortar group Ia and Ib: lime plasters:</b> Highly absorbent surfaces are pre-treated with HASIT PP 201 SILICA LF. Newly applied HASIT lime plaster surfaces can be coated directly after a waiting period of 3 to 4 weeks. To prevent cloudy or spotty drying, pre-treatment with HASIT PP 201 SILICA LF is recommended.</p> <p><b>Plaster from mortar groups II and III: cement and lime-cement plasters:</b> Highly absorbent surfaces must be pre-treated with HASIT PP 201 SILICA LF. Direct coating on newly applied HASIT lime-cement plasters after a waiting period of three to four weeks.</p> <p><b>Plaster of mortar groups IV and V: gypsum, gypsum lime and anhydrite plasters:</b> Any sinter layers, dirt or dust must be completely removed. Gypseous surfaces require a priming coat of PP 301 HYDRO LF. Then two-layer coating with primer and final coating.</p> <p><b>Clay plasters:</b> Cleaning of the surfaces to be coated and priming with HASIT PP 201 SILICA LF.</p> <p><b>Gypsum boards, gypsum plasterboards, wallboards, solid gypsum boards:</b> Primer coat with HASIT PP 317 ISO LF. Intermediate and finishing coat afterwards.</p> <p><b>Concrete:</b> Interior concrete surfaces must be brushed and dusted. Any cement slurry present must be removed mechanically. Contaminants such as formwork release oil, grease and wax must be removed using a steam cleaner. Small defects and cavities can be repaired using HASIT fillers. It is generally recommended to pre-treat concrete surfaces with HASIT PP 201 SILICA LF.</p> <p><b>Bearing, mineral coatings (silicate, cement, lime-cement, lime coatings and thin-layered plasters):</b> Highly absorbent surfaces must be pre-treated with HASIT PP 201 SILICA LF.</p> <p><b>Bearing, organic coatings (mate dispersion and mortar resin):</b> Primer coat with HASIT PP 317 ISO LF.</p> <p><b>Bearing wallpapers:</b> Unpainted ingrain wallpapers can be coated without pretreatment. For reliefs and embossed wallpapers, a test coat and a cross-cut test should be carried out.</p> <p><b>Clay coatings and non-bearing wallpapers:</b> Precoats i.e. wallpapers should be completely removed and thoroughly washed. Precoat on the next bearing surface with e.g. RÖFIX PP 307 ISO LF (Note: test the bearing with grid section test).</p> <p><b>Unstable coatings and surfaces:</b> Coatings which are still not stable after appropriate priming with PP 201 SILICA LF or PP 317 ISO LF must be removed mechanically.</p>
<b>Surface pre-treatment:</b>	<p><b>Small flaws:</b> Before grounding and priming repair with suitable filler.</p> <p><b>Protection:</b> Other surrounding surfaces like glass, ceramics, aluminium, windows, wooden surfaces, furniture, floors, etc. need to be covered (protected). Fresh paint stains need to be removed with a damp cloth or water.</p>
<b>Application procedure:</b>	<p>Apply generously and evenly using a suitable paintbrush, roller or brush.</p> <p>The coating structure consists of substrate pretreatment (priming and barrier primers), intermediate coating (PE 221 STUCCOSIL) and a system-compliant final coating.</p> <p>Base and inner-coats can be diluted with up to 20 % PP 201 SILICA LF, final layer dilute with a max. of 5 % PP 201 SILICA LF.</p> <p>The mechanical application is carried out evenly using a suitable spray device.</p> <p><b>Airless application:</b> Spray angle/nozzle/spray pressure – 50°/0,026"/~170 bar.</p> <p>In machine-applied processes the paint must be well stirred and sieved before use.</p> <p>A continuous surface must be coated in one step, fresh-on-fresh or wet-on-wet, to avoid streaks. When using silicate paints on critical, highly absorbent substrates, we recommend applying the final coat on the base coat before it has completely dried.</p>
<b>Packaging:</b>	In recyclable plastic buckets.
<b>Storage:</b>	Store in a cool, hermetically sealed and frost-protected place. Can be stored for at least 12 months.



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**Hazard statements:** Please refer to our separate safety data sheets for detailed safety instructions. Read through these before use.

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**Certificates:**



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**General information:** This technical data sheet substitutes and annuls the previous editions of the same. Time-based values refer to standardised climatic conditions (+20 °C/65 % relative humidity). These can vary due to environmental factors, such as temperature, moisture and type of substrate. The data is processed carefully and conscientiously, however they do not provide a warranty for the accuracy and completeness of the same, nor are they responsible for future decisions of users. These data itself is not based on legal relations or other additional obligations. These data do not release the customer from the obligation to check whether the product is suitable for its intended purpose. Our products, as well as all raw materials contained in them, are subject to continuous monitoring in order to guarantee consistent quality. If you have further questions, please contact your sales advisor or specialist retailer. The current status of our technical bulletins can be found on our website or can be requested in the responsible office.