

StoCalce Miral K

Ecological, mineral finishing render with a stippled render texture on a lime base in accordance with EN 998-1













		StoColor
Characteristics		
Application	• interior	

Properties mineral

• preservative-free

• diffusion-open

• high degree of whiteness

• contributes to optimising the ambient climate

• pit lime render for decorative surfaces • on wall and ceiling surface areas

• light, supple application

Appearance • stippled render texture

Information/notes • StoPrep In as primer, pre-coat in the colour shade of the finishing plaster

• for grain sizes 1.0 and 1.5, the substrate is required to have at least quality grade

Technical data

Criterion	Standard / test regulation	Value/ Unit	Notes
Density	EN ISO 2811	1.8 - 1.9 g/cm ³	
Diffusion-equivalent air layer thickness	EN ISO 7783-2	0.1 m	
Water vapour diffusion resistance factor µ	EN ISO 7783-2	90 - 100	
Fire behaviour (class)	DIN 13501-1	A2-s1, d0	

The characteristic values stated are average values or approx. values. We use natural raw materials in our products, which means that the stated values can vary slightly in the same delivery batch; this does not affect the suitability of the product for its intended use.

Substrate	
Requirements	The substrate must be firm, dry, clean, and load-bearing, as well as free from sinter layers, efflorescence and release agents. Damp or not fully cured substrates can lead to defects in subsequent coats, such as blistering or cracks. Critical substrates must be checked for suitability. Create a test surface!
Preparations	Old substrates:



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Remove non load-bearing paint remnants as well as non load-bearing old paint coats and coatings and subsequently clean the substrate (mechanically or using a suitable paint remover).

Plaster of mortar groups PG II + III:

Coat solid, normally absorbent substrates without pre-treatment. Apply a prime coating of StoPrim Plex onto large-pored, sandy, highly absorbent plasters.

Gypsum and pre-mixed plasters of mortar groups PG IV (not for mortar group IV d) + V: Prime with StoPrim Plex.

Gypsum construction boards:

In case of absorbent boards apply a priming coat of StoPrim Plex.

Gypsum plasterboards:

The gypsum surface including the sanded filler coat must be prepared for subsequent coating with StoPrim Plex.

If there is visible yellowing, an additional blocking coat of StoPrim Isol must be applied (see BFS data sheet 12). According to the gypsum plasterboard manufacturing industry data, prolonged exposure to light can cause discolouration of the gypsum surfaces and subsequent colour variations of the final plaster layer and paint coats. To estimate the possible risk, a sample coating is recommended over several board areas, including the filled areas.

A hairline-crack-bridging coating in accordance with VOB Part C, DIN 18363, Paragraph 3.2.1.2 is guaranteed by full-surface reinforcement, e.g. with StoTap Pro 100 S or StoTap Pro100 P.

Concrete:

remove contaminants due to formwork release oil, grease and wax. Fill gaps and shrinkage holes with StoLevell In Z. Prime with StoPrim Plex.

Porous concrete:

Prime with StoPrim Plex and apply a smoothing filler.

Fair-faced brick masonry:

Prime with StoPrim Plex.

Wood, hardboard, chipboard and plywood boards:

Prepare waxed boards accordingly. Prime with StoPrim Plex or Sto-Aquagrund.

Load-bearing coatings:

Rework matt, weakly absorbent coatings directly. Roughen glossy surfaces and lacquer coatings and apply an intermediate coating of StoPrim Color. In case of highly absorbent old dispersion paint coats prime with StoPrim Plex.

Old lime and mineral, coloured paints and coatings:

Mechanically remove and dust off the surfaces as much as possible. Prime with StoPrim Plex.

Distemper coatings:

Wash off thoroughly and treat the substrate accordingly.



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Non-adherent wallpapers:

Remove all traces of the wallpaper. Wash off any remains of wallpaper paste and waste paper. Seal gaps with StoLevell In Fill and then treat the surface accordingly.

Mould-infested surfaces:

Remove mould layers through wet cleaning (e.g. brushing or scraping off). Subsequently treat the surface with StoPrim Fungal. Use primer depending on the type and composition of the substrate.

Surfaces with nicotine, water, soot or grease stains:

Wash the surfaces with grease-dissolving household cleaner which is added to water, allow to dry fully, then brush off. Apply an isolating priming coat of StoPrim Isol; a second prime coating may be required depending on the condition.

When coating acrylic joint and sealing compounds, cracks and/or discolouration in the coatings can occur due to the higher elasticity of the acrylic sealing compound. Due to the wide range of products on the market, carry out your own tests for assessing the adhesion in individual cases.

The coating structures and recommendations listed do not release the applicator from his or her own responsibility for substrate testing and assessment.

Application				
Application temperature	Lowest temperature of substrate/air: Highest temperature of substrate/air:			
Material preparation	Use as little water as possible to achieve application consistency. Stir well before application. For machine application the amount of water added depends on the requirement of the respective machine/pump. As a rule, strong colour shades need less water to achieve the optimum application consistency. Too much thinning of the material will make application more difficult and will result in poorer characteristics (e.g. hiding power, colour shade).			
Consumption	Execution	Approx. cor	Approx. consumption	
	K 1.0	1.60	kg/m²	
	K 1.5	2.00	kg/m²	
	Material consumption depends on the amongst other factors. The specified guide. If required, precise consumption project.	consumption values are only	to be used as a	
Coating procedure	Priming coat: Depends on the type and condition of Intermediate coating: StoPrep In, colour shade adapted to the			
	Top coat:			



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Calce Miral K nually, by machine ng a rust-free steel trowel, apply the product evenly to grain size. Texturing is ried out with a plastic trowel or a timber float. a product is sprayable using commonly available fine plaster machines. a result depends on the application method, installation tool and substrate. The red tools are recommendations. by dry and resistant after approx. 3-4 days. h humidity and/or low temperatures prolong drying. a temperature of +20 °C (air and substrate) and 65 % relative air humidity, the
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t coat can be applied after approx. 24 hours.
an tools with water immediately after use.
e on drying: e envisaged gypsum filling compounds made by gypsum plasterboard nufacturers can be particularly sensitive to humidity. This sensitivity can cause tering, swelling of the fillers, and chip-offs. For this reason, in its data sheet ishing gypsum slab walls', the Gypsum Products Development Association commends that rapid drying be supported by an adequate temperature and tilation.
te, limited tintability in accordance with the StoColor System or tintable in pastel colour shades upon consultation
our accuracy: not possible to give any warranty for uniform colour accuracy and freedom n stains due to chemical and/or physical setting process and different substrate iditions, especially with: uneven absorption behaviour of the substrate different substrate moisture levels over the entire surface partially very different alkalinity/substances from the substrate.
h a maximum of 1% StoTint Aqua.
I
re tightly sealed in frost-free conditions.
quality of the original package is guaranteed until stock by date. The stock by

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date can be deduced from the batch number of the package.

Batch number explanation:

Number 1 = the last number of year, numbers 2 + 3 = a week I.e.: 5450013223 – storage life until the 45th week of the year 2015

Certificates / approvals

Identification	
Product group	Plaster
Composition	In accordance with VdL directive (German Paint and Printing Ink Association): Construction coating materials for buildings, Calcium hydroxide, Polymer powder, Titanium dioxide, Calcium carbonate, Quartz, Water, Additive
Safety	This product is a hazardous material. Observe the safety data sheet!

Special instructions

The information or data serves to ensure the product's intended use or its suitability for use and is based on our findings and experience. Nevertheless, users are responsible for establishing the suitability of the product for its intended use

Applications other than those explicitly mentioned in this technical data sheet are only permissible after prior consultation. Where no approval is given, such applications are at the risk of the user. This applies particularly to combinations with other products.

When a new technical data sheet is published, all previous technical data sheets are no longer valid. The latest version is available on the Internet.

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