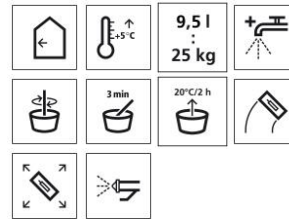


# Technical Data Sheet

## StoCalce Activ K

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



### Characteristics

- Area of application**
- interior
  - modified finishing plaster in accordance with EN 998-1
  - highly suitable for Sto internal insulation systems
  - as a finishing plaster for the StoCalce Functio Functio sorption system

### Properties

- mineral
- preservative-free
- ideally matched to the StoCalce Functio Sorption System
- highly diffusion-open
- very good moisture management
- contributes towards optimising the ambient climate
- simple and supple application
- best regulation of humidity
- rapid sorption and desorption
- MBV practical > 2.0 (g/m<sup>2</sup> \* % RH) in the system with StoLevell Calce FS

### Appearance

- stippled texture

### Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Mortar class	EN 998-1	CS II	
Bulk density of hardened mortar	EN 1015-10	1.27 g/cm <sup>3</sup>	
Flexural strength	EN 1015-11	1.4 N/mm <sup>2</sup>	
Compressive strength	EN 1015-11	3.0 N/mm <sup>2</sup>	
Dynamic modulus of elasticity	TP BE-PCC	3,500 N/mm <sup>2</sup>	
Water vapour diffusion-equivalent air layer thickness $\mu$		14	
Thermal conductivity	EN 1745	$\leq 0.39$ W/(m*K) for P=50%	Table value
Thermal conductivity	EN 1745	$\leq 0.43$ W/(m*K) for P=90%	Table value
Reaction to fire	EN 13501-1	A1	
Spreading rate		860 L/t	

# Technical Data Sheet

## StoCalce Activ K

Capillary absorption	> 0.4 kgm <sup>2</sup> m	W <sub>c</sub> 0
----------------------	--------------------------	------------------

The characteristic values stated are average values or approximate values. Due to the natural raw materials in our products, 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, load-bearing, and free from sinter layers, efflorescence and release agents.

#### Preparations

The preparation of the substrate and the execution of the coating work must correspond to the generally recognised technological norms. All coatings and preliminary work should always be geared towards the project and the requirements it is exposed to.

Remove loose paint remnants, as well as non-load bearing existing paint coats and coatings, and clean the surface (mechanically or using a suitable paint remover).

Prime coatings must not form a glossy layer.

Normal absorbent substrates:

Prime with StoPrim Plex or StoPrim GT.

StoPrim Plex is ready-to-use and is dilutable with up to max. 30 % water.

Weakly absorbent substrates:

Prime with StoPrim Color or StoPrim Sil Color.

Water-soluble ingredients:

Isolate with StoPrep Isol Q.

StoPrep Isol Q is ready-to-use and must not be diluted. Stir the material well before application. The product contains a cationic binding agent and should not be mixed with other products!

Intact, two-component coatings, non-ferrous metals, plastics:

Prime with StoAqua EP Active.

Mould-infested areas:

Treat the surfaces with Geiger STOP or coat with a 10 % hydrogen peroxide solution followed by thorough and subsequent washing with clear water. Please observe the respective national recommendations and directives when carrying out mould remediation.

When coating acrylic joint filling compounds and sealants, cracks and/or discolouration in the paint coat can occur due to the higher elasticity of the acrylic waterproofing compound. Due to the wide range of products on the market, perform your own tests to assess the adhesion.

The coating layer build-ups and recommendations listed do not release the

# Technical Data Sheet

## StoCalce Activ K

applicator from his or her own responsibility for substrate testing and assessment.

### Application

**Application temperature** Lowest temperature of substrate and air: +5 °C  
Highest temperature of substrate and air: +30 °C

**Time for application** At +20 °C: approx. 2 hours

**Mixing ratio** 9.5 l of water per 25 kg

**Material preparation** Decant water, then add the pre-blended dry mortar. Stir for approx. 2 minutes, allow to mature for approx. 5 minutes, and then stir again for approx. 30 seconds.

Consumption	Type	Approx. consumption	
	K 1.5	2.00	kg/m <sup>2</sup>

Material consumption depends on the application, substrate, and consistency, among other factors. The stated consumption values are only to be used as a guide. If required, determine precise consumption values on the basis of the specific project.

### Coating build-up

Substrate coating in a new building:  
StoLevell Calce FS  
single layer thickness: approx. 10 - 15 mm

Plaster substrates (e.g. gypsum plasterboard): prime with StoPrep In.  
Apply StoLevell Calce FS as a bonding agent using an adhesive comb (8 x 8 mm) on non-absorbent substrates, for example concrete and XPS.  
In the case of heterogeneous blockwork and XPS boards: reinforce StoLevell Calce FS with Sto-Glass Fibre Mesh F (4 x 4 mm).

Substrate coating for renovation:  
existing load-bearing and existing matt coatings can be directly coated with StoLevell Calce FS  
Layer thickness: 3 - 5 mm as single layer, max. 8 mm with multi-layer application

Intermediate coat:  
StoLevell Calce FS  
Layer thickness: 3 - 5 mm as single layer, max. 8 mm with multi-layer application  
Depending on the substrate, a reinforcement with Sto-Glass Fibre Mesh F (4 x 4 mm) may be required.

Finish:  
StoCalce Activ K

Note:

## Technical Data Sheet

### StoCalce Activ K

	If necessary, the product can be coated with StoColor Calcatura or StoColor Sil In without significantly impairing the sorption behaviour.
<b>Application</b>	<p>manually</p> <p>Use a rust-free steel trowel to apply the product evenly to grain size.</p> <p>In order to obtain an optimal texture, we recommend texturing using a rubber float.</p> <p>Application method, tool, and substrate have a significant impact on the result. The tools mentioned are recommendations only.</p>
<b>Drying, curing, ready for next coat</b>	<p>Drying time depends on the temperature, wind and relative humidity.</p> <p>At +20 °C temperature (air and substrate) and 65 % relative air humidity: over-coatable after approx. 48 hours.</p>
<b>Cleaning the tools</b>	Clean tools with water immediately after use.
<b>Notes, recommendations, special information, miscellaneous</b>	<p>In cold and damp weather all hydraulic renders can be affected by efflorescence. This does not constitute a technical/functional defect and is no cause for a claim.</p> <p>Application on substances with water impact:</p> <ul style="list-style-type: none"> <li>- Water impact classes in accordance with DIN 18534-1:2017-04 and Data Sheet no. 5 from the Bundesverband der Gipsindustrie e.V. (German federal association for the gypsum industry).</li> <li>- The product is only suitable for surfaces with water impact class W0-I (low water impact).</li> </ul>
<b>Delivery</b>	
<b>Colour shade</b>	<p>natural white</p> <p>can be tinted with StoLook Punto to max. 20 %</p> <p>To tint the material, mix the entire content of the bag with StoLook Punto F.</p> <p>Colour accuracy:</p> <p>Due to the chemical and physical setting processes at different project conditions, it is not possible to give any warranty for uniform colour accuracy and freedom from stains especially with regard to:</p> <ul style="list-style-type: none"> <li>a) uneven absorption of the substrate</li> <li>b) different substrate moisture levels</li> <li>c) partially very different alkalinity/substances in the substrate.</li> </ul>
<b>Storage</b>	
<b>Storage conditions</b>	Store in dry conditions.
<b>Storage life</b>	The quality of the product in its original container is guaranteed until the maximum

# Technical Data Sheet

## StoCalce Activ K

storage life has expired. The storage life information is included in the batch number on the container.

Explanation of batch no.:

digit 1 = last digit of the year, digits 2 + 3 = calendar week

Example: 6450013223 - storage life ends week 45in 2026

### Identification

**Product group** Internal plaster

### Composition

white Portland cement  
hydrated lime  
polymer powder  
mineral extenders  
thickener

### Safety

This product is subject to compulsory labelling in accordance with the current EU regulation.

Observe the Safety Data Sheet!

Safety instructions refer to the ready-to-use, unapplied product.

Causes skin irritation.Causes serious eye damage.May cause respiratory irritation. Keep out of reach of children. Avoid breathing dust. Use only outdoors or in a well-ventilated area. Wear protective gloves/ protective clothing/ eye protection/ face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.Get immediate medical advice/ attention.IF ON SKIN: Wash with plenty of soap and water.If skin irritation occurs: Get medical advice/ attention.Take off contaminated clothing and wash it before reuse.IF INHALED: Remove person to fresh air and keep comfortable for breathing.

### Special notes

The information in this Technical Data Sheet serves to ensure the product's intended use, or its suitability for use, and is based on our findings and experience. Users are nevertheless responsible for establishing the product's suitability and use. Applications not specifically mentioned in this Technical Data Sheet are permissible only after prior consultation. Where no approval is given, such applications are at the user's own risk. This applies in particular when the product is used in combination 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.

## Technical Data Sheet

---

### **StoCalce Activ K**

Ehrenbachstr. 1  
79780 Stühlingen / Germany  
Phone: +49 7744 57-0  
Fax: +49 7744 57-2178  
Infoservice.export@sto.com  
www.sto.com