



# Technical Data Sheet

## Stolit® K

**Preparations** Check whether existing coatings are load-bearing. Remove any non load-bearing or structurally weak coatings.

### Application

**Application conditions** Do not apply the material in intense, direct sunlight or onto heated substrates. Avoid strong air movements during application and during the first phase of drying, otherwise increased shrinkage cracks and pores may develop in the coating.

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

**Material preparation** Dilute with as little water as possible to achieve application consistency. Stir the material well before application. If applying the material by machine or pump, adjust the application consistency accordingly.  
Do not dilute intensely tinted material, or only use very little water. Too much dilution impairs the properties of the material, e.g. with regard to application, hiding power, and colour shade intensity.

| Consumption | Type of application    | Approx. consumption    |
|-------------|------------------------|------------------------|
|             | K 1.0                  | 1.80 kg/m <sup>2</sup> |
| K 1.5       | 2.30 kg/m <sup>2</sup> |                        |
| K 2.0       | 3.00 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** Primer:  
Depending on the type and condition of the substrate, it may be necessary to apply consolidating, absorbency-regulating prime coatings.  
Intermediate coat on load-bearing, mineral substrates:  
If using on a mineral substrate, we recommend using an absorbency-equalising and adhesion-promoting intermediate coat. Note: If intermediate coats are omitted, this can impair the application properties and the product's appearance.  
Products: Sto-Primer (alkalinity-isolating)  
Intermediate coat on load-bearing, organic substrates:  
Recommendation: If the colour shade of the finishing render differs significantly from the colour shade of the substrate, apply an intermediate coat that aligns the colour shades. If applying a finishing render with a rilled texture, always apply an intermediate coat that has a similar colour shade.  
Products: Sto-Primer (alkalinity-isolating)

**Application** Manually, by machine  
As a rule, it is necessary to manually rework the freshly applied finishing render in order to achieve the desired texture and functionality.  
Use a rust-free steel trowel to trowel off the product evenly to grain size. Texture the surface with a hard plastic trowel or a PU plasterer's float.  
If using a finishing render ≥ grain size 3.0, it can be textured with a wooden float.  
The product can be applied with a hopper gun or commonly-available fine render sprayers.  
The application method, tools, and substrate have a significant impact on the result. The tools mentioned are recommendations only.

## Technical Data Sheet

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| <b>Drying, curing, ready for next coat</b> | <p>The product dries physically, in that water evaporates. Higher layer thicknesses (&gt; 2 mm), higher substrate moisture and humidity, condensation, low temperatures, and low air exchange can prolong the drying time depending on the project.</p> <p>During unfavourable weather conditions, apply suitable protective measures (e.g. protection against rain) to any facade surface which is to be treated or which has been freshly completed.</p> <p>At drying conditions of approx. +20 °C air and substrate temperature, 65 % relative humidity, and depending on the subsequent coating (diffusion-equivalent air layer thickness), the product is over-coatable after 24 hours at the earliest.</p> |
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| <b>Cleaning the tools</b> | Tools must be cleaned immediately after use with cleaning water |
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| <b>Notes, recommendations, special information, miscellaneous</b> | Please consult the local sales office for further information and any site assistance required. |
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#### Delivery

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| <b>Colour shade</b> | <p>White, tintable in accordance with the StoColor System</p> <p>Colour shades with lower light reflectance values must be assessed and approved for the relevant system on a project-specific basis by the system manufacturer.</p> <p><b>Colour stability:</b><br/>Weathering, intensity of UV radiation, and moisture penetration change the surface over time. Visible changes in colour shade are possible. This change process is influenced by material and project conditions.<br/>Recommendation: A build-up of additional paint coats improves the colour stability of intense and/or very dark colour shades.</p> <p><b>Texturing grain:</b><br/>Natural white marble types are used as texturing grain. The natural graining of the marble can become partially visible and appear as darker texture grain in the finishing render.<br/>With light clear (and especially clear yellow) colour shades, the colour of the texturing grain can shine through the finishing render across an area.<br/>In very rare cases, marble grain can cause isolated markings due to natural ingredients, e.g. pyrite.<br/>Both effects are due to the basic appearance of a marble-filled finishing render and attest to the natural properties of the raw materials used. This is an inherent property.</p> <p><b>Colour accuracy:</b><br/>Different weather and project conditions influence colour shade accuracy and colour shade uniformity. Avoid the following conditions (a - d) in every case:<br/>a) uneven absorbency of the substrate<br/>b) different levels of substrate moisture over an area<br/>c) partly very different alkalinity and/or substances in the substrate<br/>d) direct sunlight with sharp, clear shadows on a still-damp coating</p> <p><b>Washout of processing aids:</b><br/>If water such as condensation, fog, or rain comes into contact with not fully dry coatings, processing aids may be released from the coating and build up on the surface.<br/>Whether the effect is strongly visible or not depends on the intensity of the colour shade. This does not influence the product quality. The effects disappear when the surface is exposed to further weathering.</p> |
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| <b>Tintable</b>  | Possible to tint with max. 1 % StoTint Aqua. |                        |                |
| <b>Packaging</b> | <b>Article number</b>                        | <b>Name</b>            | <b>Packing</b> |
|                  | 00130-021                                    | Stolit® K K 1.0 White  | 25 kg          |
|                  | 00130-035                                    | Stolit® K K 1.0 Tinted | 25 kg          |
|                  | 00131-031                                    | Stolit® K K 1.5 White  | 25 kg          |
|                  | 00131-061                                    | Stolit® K K 1.5 Tinted | 25 kg          |
|                  | 00132-031                                    | Stolit® K K 2.0 White  | 25 kg          |
|                  | 00132-058                                    | Stolit® K K 2.0 Tinted | 25 kg          |

### Storage

**Storage conditions** Store in cool dry conditions; avoid direct sunlight.

**Storage life** The quality of the material in its original container is guaranteed for the maximum stated storage life. The storage life information is included in the batch number on the container.  
 Batch number explanation:  
 Number 1 = the last number of year, numbers 2 + 3 = a week  
 i.e.: 1450013223 – stock date until the 45th week of the year 2021

### Identification

**Product group** Render

**Safety** Please refer to Safety Data Sheet.

### 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 [www.sto-sea.com](http://www.sto-sea.com).

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\*Product images may differ from the actual product.