

Technical Data Sheet

HECK STR

(Textured Render)

HECK STR:

Dry factory-mixed mortar for thin-layered, mineral finishing coats CR, CS II, W 2 in accordance with DIN EN 998-1 (P I in accordance with DIN V 18 550).

HECK STR is supplied in bags and is available as scraped finish (KC) or float finish (R) render:

Render Type:	Maximum Grain Size:
HECK STR KC2	approx. 2 mm
HECK STR KC3	approx. 3 mm
HECK STR KC4	approx. 4 mm
HECK STR R3	approx. 3 mm

Properties:

- easy to apply
- highly water vapor and carbon dioxide permeable
- water repellent

Colors:

white, or according to the Color Sensation color fan deck; for other colors please ask

Areas of Application:

For exterior and interior use; not suitable for wall bases; also suitable for use on HECK MultiTherm insulation systems EPS / MW / L-MW.

The responsibility for any usage outside these areas of application lies solely with the user.

Composition:

White lime hydrate; white cement; carefully composed quartz and jurassic grits; hydrophobizing additives; mineral pigments

Technical Data:

water vapor permeability resistance coefficient μ : approx. 12

Coverage:

Render type:	Coverage:
HECK STR KC2	approx. 3.0 kg/m ²
HECK STR KC3	approx. 3.6 kg/m ²
HECK STR KC4	approx. 4.5 kg/m ²
HECK STR R3	approx. 3.0 kg/m ²

These are averaged values based on practical experience. Depending on layer thickness and substrate, coverage may differ slightly.

Application and Substrate Temperature:

+ 5 °C minimum; lower temperatures during the curing phase can have a sustained negative effect on product properties.

With high environmental temperatures (and/or strong wind), additional measures are necessary to prevent premature loss of mixing water.

Substrate:

Mineral renders CS II-IV in accordance with DIN 998-1 (P II-IV in accordance with DIN V 18 550), concrete, fiber cement, plasterboard.

We recommend using undercoats made by HECK Wall Systems GmbH, as their technical specifications have been specially designed towards coating with this render.

Preparation of the Substrate:

Cover work area carefully before starting.

The substrate must be free of cracks, even, clean, free of dust and grease, solid and dry (look for any condensation). Just trowel up undercoats evenly; remove mortar ridges.

Mineral undercoats must be hardened (curing time according to latest Technical Data Sheet of that product).

Pre-wet mineral undercoats the previous day according to absorbency and weather conditions; ideally, prime with HECK UG (with "R" render type, use colored primer).

Priming with HECK UG is necessary with:

- the "R" product variant (use colored primer to prevent shining through of the undercoat through grooves)
- gypsum-containing or very smooth substrates, such as fiber cement board
- absorbent substrates, such as undercoats levelled/roughened with plaster plane

Application:	<p>Mix entire bag of HECK STR and the required amount of tap water in a mortar bucket to a lump-free consistency; let mix soak for approx. 10 minutes, then stir up again. Mixing and application by machine also possible (except product variant KC4). Trowel on product types KC and R in grain-size layer thickness using a stainless-steel trowel; for type KC, use circular movements for texturing, for type R, use vertical, horizontal or circular movements (type KC can also be textured using sponge-rubber float). Work wet-in-wet in order to avoid visible joints. With larger surfaces, place a man on each scaffolding level. Finish continuous surfaces on the same day.</p> <p>Curing time: approx. 1 day per mm of render thickness.</p>
After Treatment:	Protect freshly-applied render from premature dehydration (sun, wind, high temperatures), frost and rain.
Surface Coating:	<p>Suitable are water vapor permeable, water-repellent coating systems, such as Rajasil SIF or Rajasil SHF. Normally (favorable weather conditions), these can be applied after a period of approximately one week.</p> <p>For further information on this, please refer to the Technical Data Sheet of the respective coating system.</p>
Notes:	<p>– With render application on non-water-repellent undercoats, such as lime renders, the whole system will be classified as "non-water-repellent"!</p> <p>– Clean tools and equipment immediately after use with water.</p> <p>With colored renders, low temperatures or high atmospheric humidity can cause color divergences. Weather-, substrate-, or application-related alterations in color can be compensated by coating the superficially dry render with Rajasil SIF (roller or brush application).</p> <p>As a rule, with colored textured renders an equalizing paint coat is always deemed necessary and has to be included in invitations to tender and in quotations. In agreement with the client, on-site application can then be made dependent on whether or not the desired aesthetic effect necessitates such a coating. (Information Sheet: Equalizing Paints on Decorative Renders)</p> <p>Normally, one-coat application is sufficient. Equalisation paint coats will be adjusted in accordance with our color fan deck or the submitted sample and can be re-adjusted by the applicator.</p> <p>Due to the usage of mineral raw materials, follow-up deliveries may vary in color. For continuous surfaces use only material from the same production batch, especially when no surface coating is performed. If possible, avoid follow-up deliveries. When placing a follow-up order, please make sure to provide: the date of your initial order, the batch number, as well as the shipping note/invoice number. Always mix newly supplied material and possible leftovers thoroughly.</p> <p>Variations in color over the course of time due to weather factors, e.g. UV impact, and environmental factors, e.g. atmospheric particles, are not covered by warranty. Technical functionality remains unaffected.</p> <p>Under unfavorable conditions, the minor possibility of the formation of micro-organisms, such as algae, exists; this does not constitute a reason for complaint.</p>
Cleaning of Tools:	Immediately after use, with water.
Safety Instructions:	<p>HECK STR contains lime and cement and thus reacts alkaline when fresh.</p> <p>Avoid contact with eyes and skin. If product gets on skin, wash off immediately. If product gets in eyes, flush thoroughly with water immediately and seek medical attention. If product is ingested, seek medical attention. Wear suitable protective gloves.</p> <p>Keep product out of the reach of children.</p> <p>For further information, refer to Safety Data Sheet.</p>
Storage:	Store in a dry place; Shelf-life in original container: approx. 9 months.
Quality Control:	Constant monitoring of production process through laboratory analyses; regular external and internal controls.



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