



Technical Data Sheet

HECK ED

(Decorative Render)

HECK ED:

Dry factory-mixed mortar for thin-layered, lightweight mineral finishing coats CS II, CR, W 2 in accordance with DIN EN 998-1 (P II in accordance with DIN V 18 550).
HECK ED is supplied in bags and is available as scraped finish (KC) or float finish (R) type render:

Render Type:	Maximum Grain Size:
HECK ED KC2	approx. 2 mm
HECK ED KC3	approx. 3 mm
HECK ED KC4	approx. 4 mm
HECK ED R3	approx. 3 mm
HECK ED R4	approx. 4 mm

Properties:

- easy to apply
- high yield
- highly water vapor and carbon dioxide permeable
- water repellent
- increased strength
- can be applied without priming on low-absorbent, water-repellent undercoats

Colors:

White, or according to Color Sensation color fan deck; for other colors, please ask.

Areas of Application:

For exterior and interior use; not suitable for wall base application without additional measures; also for use on HECK insulation systems EPS and MW/L-MW and on Rajasil renovation render systems.
The responsibility for any usage outside these areas of application lies solely with the user.

Composition:

White lime hydrate; white cement; carefully composed quartz, jurassic and marble grits; hydrophobizing admixtures; admixtures for improving elasticity and adhesion properties; mineral pigments

Technical Data:

water vapor permeability resistance coefficient μ :	≤ 12
capillary water absorption:	$c \leq 0.20 \text{ kg}/(\text{m}^2 \times \text{h}^{0.5})$, W 2 in accordance with DIN EN 998-1

Coverage:

Render Type:	Coverage:
HECK Edel-Dekor KC2	approx. 2.3 kg/m ²
HECK Edel-Dekor KC3	approx. 2.9 kg/m ²
HECK Edel-Dekor KC4	approx. 4.2 kg/m ²
HECK Edel-Dekor R3	approx. 2.4 kg/m ²
HECK Edel-Dekor R4	approx. 3.5 kg/m ²

These are averaged values based on practical experience. Depending on layer thickness and substrate, coverage may vary 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 EN 998-1 (P II-IV in accordance with DIN V 18 550), concrete, fiber cement, plasterboard.
We recommend undercoats made by HECK Wall Systems GmbH, as their technical specifications have been specially designed towards usage with this render.

Preparation of the Substrate:

Always cover work area thoroughly before starting.
The substrate must be free of cracks, level, clean, free of dust and grease, solid and dry; look for any condensation.

Just level undercoat using a trowel; remove mortar ridges. Mineral undercoats must have dried thoroughly (curing time according to latest Technical Data Sheet).

The "KC" product variant can be applied without prior priming on substrates like HECK K+A or Rajasil SP.

Preparation of the Substrate:	<p>Priming with HECK UG is necessary with:</p> <ul style="list-style-type: none"> – the "R" product variant (use colored primer to avoid the showing through of the undercoat through grooves) – gypsum-containing or very smooth substrates, such as fiber cement boards – absorbent substrates, such as undercoats levelled/roughened with plaster plane – organic bonded substrates.
Application:	<p>Mix entire bag of HECK ED and 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 is also possible (with the exception of the KC4 variant). Trowel on types KC and R in grain-size layer-thickness using a stainless-steel trowel; type KC can be textured with circular movements, type R with horizontal, vertical or circular movements (type KC can also be textured using a sponge rubber float).</p> <p>Work wet-in-wet to avoid visible joints. With larger surfaces, have a man work on every scaffolding level; finish continuous areas on the same day.</p> <p>Curing time: approx. 1 day per mm of layer thickness.</p>
After Treatment:	<p>Protect freshly-applied render from premature dehydration (sun, wind, high temperatures), frost and rain during the curing phase.</p>
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 approx. one week. For further information, refer to Technical Data Sheet of the respective coating system.</p>
Notes:	<ul style="list-style-type: none"> – With render application on non-water-repellent undercoats, such as lime renders, the whole system will be classified as "non-water-repellent"! – Clean tools and equipment immediately after use with water. <p>Low temperatures or high atmospheric humidity can cause color divergences in colored renders. 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 decorative 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 adverse conditions, the possibility of the formation of micro-organisms, such as algae, cannot be ruled out; this does not constitute a reason for complaint.</p>
Safety Instructions:	<p>HECK ED contains lime and cement and thus reacts alkaline when fresh. Avoid contact with eyes and skin. If product gets on skin, wash off immediately. If product gets in eyes, flush with water immediately and seek medical attention. If product is ingested, seek medical attention.</p> <p>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:	<p>Store in dry place; shelf-life in original container: approx. 9 months.</p>
Quality Control:	<p>Permanent monitoring of production through laboratory analyses; internal and external production process quality control at regular intervals.</p>



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