

Technical Data Sheet

HECK KLM CER

(Adhesive Mortar)

HECK KLM CER:	Dry factory-mixed mineral adhesive mortar, GP, CS IV, W 2 in accordance with DIN EN 998-1 (P III in accordance with DIN V 18 550)
Properties:	<ul style="list-style-type: none"> - can be applied by hand - highly deformation resistant - excellent adhesion properties - water repellent - color: grey
Areas of Application:	<p>For exterior and interior use; also for wall base application.</p> <ul style="list-style-type: none"> - The ceramic cladding can consist of brick slips, tiles or boards in accordance with DIN 18 515-1. - They have to be resistant to frost in accordance with DIN EN 202. - Lateral length must not exceed 300 mm max. (surface area $\leq 0.09 \text{ m}^2$). - Cladding-material thickness must not exceed 15 mm. - The ceramic material has to fulfil requirements as to number and volume of pores on its reverse (bonding) side. <ul style="list-style-type: none"> - Frequency distribution of pore sizes has to show a maximum at pore radiuses $> 0.2 \mu$. - Pore volume has to be $\geq 20 \text{ mm}^3/\text{g}$. - Water absorption w in accordance with DIN EN ISO 10 545-3 must not exceed: <ul style="list-style-type: none"> - 6 % when using polystyrene insulation boards, - 3 % when using mineral wool insulation boards. <p>The responsibility for any usage outside these areas of application lies solely with the user.</p>
Composition:	Cement; carefully composed aggregates; maximum grain size approx. 0.5 mm; admixtures for improving workability and adhesion
Coverage:	<p>Approx. 5.0 kg of dry mortar per m² (8 mm notch)</p> <p>This data is valid for even, smooth substrates.</p>
Substrate/Preparation of the Substrate:	The substrate must be hardened, dry, trowelled even and flush; surface must be rough, even, clean and free from any adhesion-inhibiting residue.
Application and Substrate Temperature:	+ 5 °C minimum; lower temperatures during the curing phase can have a sustained negative effect on product properties.
Application:	<p>Mix the content of a bag with the necessary amount of tap water to a lump-free consistency using a power stirrer; let mix sit for 5-10 minutes, then stir up briefly again; process within 30 minutes.</p> <p>Bonding is carried out using the so-called floating-buttering method only. First, apply a thin layer of adhesive to dry substrate using a levelling trowel; work trowel with high amount of pressure. Then, onto this layer, trowel on adhesive "wet-in-wet" in required layer thickness and trowel up using notched trowel at a setting angle of 45-60°</p> <p>Next, apply bonding mortar across entire backside of the board in a thin and even layer; place board and press down before skin-formation sets in.</p> <p>Any bonding mortar residing in open joints after installation of the cladding must be raked out to a depth of about 10 mm while still fresh (Please take note of details given in DIN 18 157-1 and 18 515-1).</p>
After Treatment:	Protect fresh mortar from premature dehydration (sun, wind, high temperatures), frost and rain.
Subsequent Surface Coating:	Jointing using HECK FM CER can proceed after a period of at least 7 days (or longer, depending on curing conditions).
Notes:	<ul style="list-style-type: none"> - Do not pre-apply adhesive on a too large surface area - skin-formation may occur. Adhesive with skin must be removed and not used again. - The installation of brick slips generally starts with the placing of the corner elements and the framing of facade openings. Then, apply in-between elements using a plumb line. - The installation and jointing of ceramic claddings is a trade in its own right and must only be carried out by trained or experienced experts. - Clean tools with water immediately after use. - Observe HECK application guideline.
Safety Instructions:	HECK CLM CER contains cement; fresh mortar thus reacts alkaline. Avoid contact with skin. If product gets on skin, wash off immediately. If product gets in eyes, flush thoroughly with water immediately and seek medical attention. Keep product out of the reach of children. If product is ingested, seek medical attention immediately. Wear suitable protective gloves during work. For further information, refer to Safety Data Sheet.

Storage:

Store in a dry place; shelf-life approx. 6 months.

Quality Control:

Permanent monitoring of production through laboratory analyses; regular internal and external controls.



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