

Technical Data Sheet

HECK FM CER H

(Joint Mortar)

HECK FM CER H:	Dry factory-mixed mineral mortar G, M 10, W 2 in accordance with DIN EN 998-2														
Properties:	Hydraulically setting, deformation resistant, excellent adhesion to joint edges, water vapor permeability, easy to process, resistant to water and frost after curing Colour: natural white, grey, coloured														
Areas of Application:	For exterior and interior use; also for wall base application. Jointing of ceramic claddings in HECK insulation systems. Suitable for smooth, grained and rough surfaces. The ceramic material has to fulfill requirements as to number and volume of pores on its reverse side. Brick slips, tiles or boards in accordance with DIN 18 515-1; frost resistant in accordance with DIN EN 202 <ul style="list-style-type: none"> • Frequency distribution of pore sizes has to show a maximum at pore radiuses > 0.2 mm. <ul style="list-style-type: none"> – Pore volume has to be > 20 mm³/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 exceeding these areas of application lies solely with the user. Application above grade, not for use on horizontal surfaces</p>														
Composition:	Cement, carefully composed aggregates, maximum grain size approx. 0.5 mm, admixtures for improving workability and adhesion														
Technical Parameters:	<table border="1"> <tr> <td>Mortar group</td> <td>M 10 with DIN 998-2</td> </tr> <tr> <td>Gross density of set mortar</td> <td>1,6 kg/dm³</td> </tr> <tr> <td>Flexural strength</td> <td>4,0 N/mm²</td> </tr> <tr> <td>Compressive strength</td> <td>10 - 12 N/mm²</td> </tr> <tr> <td>e-module</td> <td>11 000 N/mm²</td> </tr> <tr> <td>Capillary water absorption</td> <td>c ≤ 0,2 kg / (m²·min^{0,5})</td> </tr> <tr> <td>μ-value</td> <td>18</td> </tr> </table>	Mortar group	M 10 with DIN 998-2	Gross density of set mortar	1,6 kg/dm ³	Flexural strength	4,0 N/mm ²	Compressive strength	10 - 12 N/mm ²	e-module	11 000 N/mm ²	Capillary water absorption	c ≤ 0,2 kg / (m ² ·min ^{0,5})	μ-value	18
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Coverage:	Coverage depends on the number of joints, their depth and width; approx. 4,5 – 5,5kg of dry mortar / m ² with 10mm Coverage depth and width; calculation using a testing surface is recommended.														
Substrate/Substrate Preparation:	Joints with a width of 10-15 mm; regular depth: about 10 mm, 5 mm minimum. Joint edges must be dry, clean and free of grease. Bonding mortar must have set; the substrate must be dry.														
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.														
Application:	Mixing: Adjust to earth-dry consistency. Mix the entire content of a package with tap water for at least 5 minutes using a compulsory mixer or a power stirrer. After letting the mix soak for 5-10 minutes, stir up again. Application time: approx. 30 minutes. Do not use mortar that has already begun to set. Apply mortar void-free and with pressure using jointing trowel; smoothen briefly and not too intensely. When mortar is superficially dry, the surface can be cleaned from mortar remnants.														
Curing/After Treatment:	Protect fresh mortar from premature dehydration (sun, wind, high temperatures), frost and rain.														

Notes:

Due to the usage of mineral raw materials, follow-up deliveries may vary in colour shade. For continuous surfaces use only material from the same production batch.

Variations in colour shade 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.

Under disadvantageous conditions, the minor possibility of the formation of micro-organisms, such as algae, exists; this does not constitute a reason for complaint.

Please take note of DIN 18 151-1.

- Dose mixing water consistently.
 - Smooth continuous surfaces evenly.
 - Remove mortar residue from the surfaces of bricks or cladding material surfaces immediately.
 - Protect from weather; provide for consistent curing conditions.
 - Protect from rear moisture intrusion.
 - The colour shade developing after curing and drying is dependant on the addition of water and on application and curing conditions, as well as on the environmental climate during hardening. Minor divergences from the sample or from surfaces already finished cannot be ruled out; they do not constitute a reason for complaint.
 - The jointing of ceramic claddings is to be executed by trained or experienced personnel only.
 - Clean tools immediately after use with water.
 - Please consult application guidelines on HECK insulation systems.
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Safety Instructions:

HECK Fugenmörtel Keramik H contains cement and thus reacts alkaline when fresh. 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. Wear suitable protective gloves during work. For further information, refer to Safety Data Sheet.

Storage:

Store in a dry place; shelf-life in original container approx. 9 months. Low in chromate in accordance with TRGS 613 for at least 6 months after the date of production.

Quality Control:

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



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