

Technical Data Sheet HECK K+A RENO

HECK K+A RENO:	Dry factory-mixed mortar; bonding and reinforcement mortar GP; CS II, W 0 in accordance with DIN EN 998-1 (P II in accordance with DIN V 18550)				
Properties:	<ul style="list-style-type: none"> – can be applied by hand or using a rendering machine – capillary active – water vapor permeable – color: grey 				
Areas of Application:	<p>For exterior and interior use</p> <ul style="list-style-type: none"> – for the installation of HECK mineral wool insulation boards and HECK mineral wool lamella predominantly on old buildings; also on salt-contaminated old brick or rubblestone masonry – for the installation and reinforcement of HECK IDP MS (hydrophilic) insulation boards when used for the interior insulation of external walls. 				
Composition:	sulphate-resistant binder, carefully composed aggregates, lightweight mineral aggregates, admixtures for the improvement of workability, maximum grain size: approx. 2mm				
Technical Data:	<table border="1"> <tr> <td>Thermal conductivity coefficient λ_R:</td> <td>0.44 W/(m·K)</td> </tr> <tr> <td>Resistance to water vapor permeability μ:</td> <td>approx. 18</td> </tr> </table>	Thermal conductivity coefficient λ_R :	0.44 W/(m·K)	Resistance to water vapor permeability μ :	approx. 18
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Coverage:	<p>Application to entire surface: approx. 1 kg dry mortar per m² per mm of layer thickness (if applied as described) This figure is valid for level substrates. Coverage decreases where unevennesses have to be levelled.</p> <p>Reinforcement mortar: approx. 1kg of dry mortar per m² per mm of layer thickness</p>				
Substrate/Preparation of the Substrate:	<p>Installation of insulation boards as part of the HECK MultiTherm EIFS Remove existing render completely; scrape out brittle joint mortar to a depth of approx. 2cm. Clean masonry thoroughly and remove dust; immediately dispose of any, potentially salt-contaminated, chippings of old render. Prior to the installation of the insulation boards, larger blow holes and surface defects in the masonry can be spray filled with HECK K+A RENO.</p> <p>Installation of HECK IDP WS insulation boards The mineral substrate has to be level, structurally sound, clean, dry and free of grease and dust; it also has to have sufficient tensile strength properties. It is recommended to test tensile strength. Always remove brittle or non-adhering render, loosely adhering paint residue or diffusion-inhibiting layers. Moisten highly-absorbent substrates.</p>				
Application and Substrate Temperature:	+ 5 °C minimum; lower temperatures during the curing phase can have a sustained negative effect on product properties.				
Application:	<p>With high temperatures (and/or strong wind), additional measures are necessary to prevent premature loss of mixing water. When the material is prepared, process it within 30 minutes to prevent skin formation of the material. When HECK K+A RENO is applied by machine, use of a secondary mixer is required.</p> <p>Installation of insulation boards as part of the HECK MultiTherm EIFS Insulation boards are installed using the "combined method" (floating-buttering). For this, HECK K+A RENO is applied on the entire area of the surface to be insulated; alternatively, when using a rendering machine, spray-apply a layer of 10mm thickness. Then, trowel flush using an h-profile feather edge. Apply HECK K+A RENO onto insulation boards and trowel up using notched trowel (10mm). With uncoated mineral wool insulation boards: apply a thin layer of the bonding mortar using a lot of pressure first. Structural mechanical fixing of the insulation boards is performed the next day.</p> <p>Installation of HECK IDP WS insulation boards Using a notched trowel (10 mm), apply HECK K+A RENO to entire surface of the HECK IDP MS insulation board. In case of larger unevennesses, the "combined method" (floating-buttering) with additional adhesive application onto the substrate is recommended. Fit boards to substrate using evenly distributed pressure.</p> <p>Reinforcement (thick-layered, 6-8mm) of HECK mineral wool insulation boards/lamella: Apply mortar in proper layer-thickness to (dry) insulation boards using a stainless-steel trowel. Then embed HECK AGG FINE into upper third of material (allow mesh to overlap by at least 10cm); touch up if required. For the subsequent application of thin-layered finishing coats, level surface with a stainlesssteel trowel. For thick-layered decorative renders, roughen surface without exposing the mesh. Perform surface roughening only after sinter skin has formed.</p> <p>For the reinforcement of HECK IDP MS insulation boards we recommend HECK K+A PLUS, which can also be colored.</p>				
After Treatment:	Protect freshly-applied mortar from premature dehydration (sun, wind, high temperatures), frost and rain. Protect from rear-moisture intrusion when used for insulation board installation.				

Surface Coating:	Use HECK or RAJASIL finishing coats. If applicable, apply the primer suitable for the finishing coat used prior to surface coating. Allow a minimum of 1 day per mm of layer thickness to lapse, depending on weather conditions, before primer or finishing coat application.
Notes:	Observe HECK application guidelines and complementary Data Sheets of relevant products, respectively. When planning and installing EIF systems observe applicable national technical approvals ("bauaufsichtliche Zulassung").
Safety Instructions:	HECK K+A RENO contains lime and cement; fresh mortar thus reacts alkaline. Avoid contact with skin; if product gets on skin, wash off immediately. If product gets in eyes, immediately flush with water thoroughly and seek medical attention. Keep the material out of the reach of children. If product is swallowed, seek medical attention immediately. Wear suitable protective gloves during work. For further information see Safety Data Sheet.
Storage:	Store in a dry place; shelf-life in original container: approx. 6 months
Quality Control:	Constant monitoring of production through laboratory analyses; internal and external production process quality control.



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