

# Technical Data Sheet

## HECK K+A RENO

<b>HECK K+A RENO:</b>	Dry factory-mixed mortar; bonding and reinforcement mortar GP; CS II, W <sub>c</sub> 0 in accordance with DIN EN 998-1 (P II in accordance with DIN V 18550)				
<b>Properties:</b>	<ul style="list-style-type: none"> <li>– can be applied by hand or using a rendering machine</li> <li>– capillary active</li> <li>– water vapor permeable</li> <li>– color: grey</li> </ul>				
<b>Areas of Application:</b>	<ul style="list-style-type: none"> <li>– for the installation and reinforcement of HECK IDP MS (hydrophilic) insulation boards when used for the interior insulation of external walls.</li> <li>– for the installation and reinforcement of HECK mineral wool insulation boards and HECK mineral wool lamella; also on salt-contaminated old brick or rubblestone masonry</li> </ul>				
<b>Composition:</b>	sulphate-resistant binder, carefully composed aggregates, lightweight mineral aggregates, admixtures for the improvement of workability, maximum grain size: approx. 2mm				
<b>Technical Data:</b>	<table border="1"> <tr> <td>Thermal conductivity <math>\lambda_{10, dry, mat}</math>:</td> <td>0.39 W/(m·K) P=50% 0.43 W/(m·K) P=90%</td> </tr> <tr> <td>Resistance to water vapor permeability <math>\mu</math>:</td> <td>approx. 18</td> </tr> </table>	Thermal conductivity $\lambda_{10, dry, mat}$ :	0.39 W/(m·K) P=50% 0.43 W/(m·K) P=90%	Resistance to water vapor permeability $\mu$ :	approx. 18
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<b>Coverage:</b>	Application to entire surface: approx. 1 kg dry mortar per m <sup>2</sup> per mm of layer thickness (if applied as described). This figure is valid for level substrates. Coverage decreases where unevennesses have to be levelled. Reinforcement mortar: approx. 1kg of dry mortar per m <sup>2</sup> per mm of layer thickness				
<b>Substrate/Preparation of the Substrate:</b>	<p>Materials infested with mould (such as gypsum-based building materials or wallpapers) must be properly removed down to the load-bearing surface and disposed of in compliance with the legal requirements. If the adhesive mortar must be sulphate resistant, we recommend K+A <i>RENO</i>.</p> <p>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. Moisture highly-absorbent substrates.</p>				
<b>Application and Substrate Temperature:</b>	+ 5 °C minimum; lower temperatures during the curing phase can have a sustained negative effect on product properties.				
<b>Application:</b>	<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>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. For the reinforcement of HECK IDP MS insulation boards we recommend HECK K+A PLUS, which can also be colored.</p>				
<b>After Treatment:</b>	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.				
<b>Surface Coating:</b>	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.				
<b>Notes:</b>	Observe HECK application guidelines and complementary Data Sheets of relevant products, respectively.				
<b>Safety Instructions:</b>	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.				
<b>Storage:</b>	Store in a dry place; shelf-life in original container: approx. 6 months				
<b>Quality Control:</b>	Constant monitoring of production through laboratory analyses; internal and external production process quality control.				



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