



Technical Data Sheet

HECK AERO K+A

HECK AERO K+A:	Dry factory-mixed mortar with PWS technology; mineral-based adhesive and reinforcement compound; 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 manually or using a rendering machine or feed system– water-vapor permeable and water-repellent– fiber-reinforced– can be used for felted-texture finish– color: natural white						
Areas of Application:	<ul style="list-style-type: none">– for exterior and interior use; also for wall-base application– for the adhesive bonding and reinforcement of HECK AERO insulation boards in the HECK AERO insulation system– in smaller areas, such as window/door jambs, for reinforcing and a subsequent felted-texture finish using a second layer <p>Application as part of the HECK AERO insulation system:</p> <ul style="list-style-type: none">– for adhesive bonding by application to entire surface or using the ribbon-and-dab method– for the placing of corner and diagonal reinforcements; specified layer thicknesses must be adhered to. This also applies to corner reinforcements.– as basecoat (5-10 mm) with embedment of HECK AGG FINE– as a thin felted-texture layer (layer thickness 2 mm approx.) in a second work cycle on smaller surfaces such as wall-base areas or window/door jambs.						
Composition:	White cement; carefully selected aggregates; admixtures for the improvement of workability, adhesion and water-repelling properties; fibers						
Technical Data:	<table border="1"><tr><td>Thermal conductivity, rated value λ_R:</td><td>0,87 W/(m·K)</td></tr><tr><td>Resistance to water-vapor permeability μ:</td><td>approx. 25</td></tr><tr><td>Maximum grain size</td><td>approx. 1.0 mm</td></tr></table>	Thermal conductivity, rated value λ_R :	0,87 W/(m·K)	Resistance to water-vapor permeability μ :	approx. 25	Maximum grain size	approx. 1.0 mm
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Coverage:	<p>Adhesive Bonding: Application to entire surface / ribbon-and-dab method (minimum 40%): 6 kg/m² approx. The coverage given is based on level, smooth substrates. When leveling unevennesses, the required quantity of the product may increase!</p> <p>Basecoat: Approx. 1.2 kg of dry mortar / m² per mm of layer thickness With machine application, the required quantity of the product may increase!</p>						
Substrate/Preparation of the Substrate:	<p>Make sure work area is well-covered before starting.</p> <p>Adhesive bonding of insulation boards and filling on mineral substrates: The substrate has to be level, structurally sound, clean, dry, and free of grease and dust. Cleaning is recommended. Always remove brittle or non-adhering render or loosely-adhering paint residue as well as algae.</p> <p>Before applying the adhesive or render: level hollow joints, flaws in the masonry, and larger cavities, and trowel flush with the surface; during the setting process, comb-scratch surface and allow to cure.</p> <p>Pre-treat superficially sandy, chalky, highly absorbent, organic-bonded substrates once with Rajasil TG W.</p> <p>As reinforcement on HECK AERO insulation boards: Insulation boards must be installed even; joints still open between insulation boards must be closed with suitable insulation material or HECK PU-Schaum B1 foam; clean away any swarf, if present. Profiles, anchors, joint sealing tapes and render beads must be in place, as well as corner and diagonal reinforcements.</p> <p>Do not use the actual reinforcement layer for leveling the substrate.</p>						
Application and Substrate Temperature:	<p>+ 5 °C minimum; lower temperatures during the curing phase can have a sustained negative effect on product properties.</p> <p>With high environmental temperatures (and/or strong wind), additional measures are necessary to prevent premature loss of mixing water.</p> <p>Mix the content of a bag and the required amount of tap water in a clean mortar bucket to a lump-free consistency using a power stirrer; allow mix to sit for approx. 10 minutes; stir up thoroughly again before application and process within 1 hour approximately.</p>						

Adhesive bonding:	<p>With HECK AERO insulation boards, apply a thin layer of bonding mortar using a lot of pressure first. Then, using a serrated trowel (10 mm), a trowel, or an adhesive applicator gun, apply the bonding mortar to the back of the insulation board.</p> <p>For interior ceiling application: Please test beforehand whether additional measures, such as mechanical fastening or supporting during the curing phase, are necessary.</p>
Reinforcement:	<p>Apply mortar in required thickness to (dry) insulation boards using a stainless-steel trowel. Then embed HECK AGG into the upper third of the material (allow mesh to overlap by at least 10 cm); touch up if required. For the subsequent application of thin-layer finishing coats, level surface with stainlesssteel trowel. For a subsequent felted-texture finish, leave the substrate as it is. For thick-layer decorative renders, roughen up surface without exposing the mesh. Perform surface roughening only after sinter skin has formed.</p>
Finishing Coat:	<p>On the following day, apply HECK AERO K+A in an approx. 2mm layer onto the prepared reinforcement layer using a stainless-steel trowel; then, level surface and, during the setting process, rub down with the white sponge float preferably. This application is limited to smaller areas such as wall bases or window/door jambs.</p>
After Treatment:	<p>Protect freshly-applied mortar from premature dehydration (sun, wind, high temperatures), frost and rain. Protect from rear-moisture intrusion when using for adhesive bonding.</p>
Surface Coating:	<p>HECK and RAJASIL finishing coats which carry the AERO Ready seal.</p> <p>Before applying a finishing coat, apply the appropriate primer first where applicable. Before applying a primer or finishing coat, allow a minimum of 1 day to lapse per 1 mm of layer thickness, depending on weather conditions.</p> <p>At wall bases:</p> <p>Rajasil silicon resin paint system, consisting of two-coat priming with Rajasil NIG and two-coat application of Rajasil SHF</p> <p>HECK SHP and corresponding primer</p> <p>Protect render system in contact with the ground from rear-moisture intrusion. For this, use Rajasil DB or Rajasil DS FLEX.</p>
Notes:	<p>Please observe the technical guideline on the application of HECK and/or complementary data sheets / brochures of relevant products.</p> <p>Clean tools with water immediately after use.</p> <p>When installing EIF systems observe applicable technical approvals. These are available from us free-of-charge upon request and can also be downloaded via our website, www.wall-systems.com.</p>
Safety Instructions:	<p>HECK AERO K+A 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, thoroughly rinse with water immediately and seek medical attention. Keep product out of the reach of children.</p> <p>If product is swallowed, seek medical attention immediately. Wear suitable protective gloves during work. For further information see Safety Data Sheet.</p>
Storage:	<p>Store in a dry place; shelf life approx. 9 months in original container</p>
Quality Control:	<p>Constant monitoring of production through laboratory analyses; regular internal and external controls</p>



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HECK Wall Systems GmbH
Thöläuer Straße 25
95615 Marktredwitz / Germany
T: +49 9231 802-330
F: +49 9231 802-330
www.wall-systems.com