

# Technical Data Sheet

## HECK IDP FL

### (Interior Insulation Board)

**HECK IDP FL:** Mineral renovation board made from cellulose-reinforced calcium silicate at window and door jambs; for minimizing thermal bridges in capillary active HECK interior insulation systems.

- Properties:**
- hydrophilic and capillary conductive
  - highly water vapor permeable
  - high alkalinity
  - minimizes thermal bridges
  - low weight
  - non-combustible
  - monolithic build-up

**Areas of Application:** Exclusively for interior use. Use of the 15-mm thickness boards predominantly in areas where for constructive reasons (e.g. low distance between window jamb and window fittings) installation of larger-thickness boards (Innendämmplatte MS) is not possible.

Component of the HECK IDP MS system solution consisting of:

- HECK K+A RENO
- HECK IDP FL
- Rajasil TG W
- HECK AGG FINE
- HECK K+A PLUS/Rajasil KFP/Rajasil KFIP

**Composition:** Calcium silicate, cellulose

**Technical Data:**

Thermal conductivity $\lambda$ :	0.063 W/(m·K)
Water vapor resistance coefficient $\mu$ :	approx. 5
Gross density:	approx. 260 kg/m <sup>3</sup> ± 10 %
pH value:	approx. 10.5
Fire behavior:	building material category A1 (non-combustible in accordance with DIN 4102)
Insulation board thickness:	15 mm

**Coverage:** Dimensions: 250 x 500 x 15 mm per board; approx. 2 pcs./m

**Substrate/Preparation of the Substrate:** The mineral substrate must be even, structurally sound, clean, dry, free from grease and dust, and must have sufficient tensile strength. Materials with mold infestation (e.g. gypsum construction materials or wallpaper) must be removed and disposed of in accordance with regulations. Testing tensile strength is recommended. Always remove brittle or non-adhering plaster, loosely-adhering paint residue, or adhesion-inhibiting layers. Pre-wet highly absorbent substrates. Pre-treat superficially sanding, chalking, highly absorbent substrates once with Rajasil TG W. Larger blow holes, flaws in the masonry or unevennesses > 1 in the substrate cm can be leveled with HECK K+A RENO prior to insulation board installation.

**Application:**

**Cutting**  
For custom-cutting HECK Innendämmplatte FL use e.g. a handsaw.

**Bonding**  
HECK IDP FL are installed butt jointed. For doing so, apply HECK K+A RENO bonding mortar to entire surface of back of board using a notched trowel (4 mm). In case of larger unevennesses, we recommend using the "combined method" (floating-buttering) with additional application of adhesive onto the substrate. Press the boards with adhesive onto the prepared jambs and align them using a straightedge. Move them into their final position using even pressure. Mechanically uncouple boards from adjacent elements (e.g. windows, doors, window sills) using e.g. HECK Fugendichtband 2-D. Paste over board joints thinly with HECK K+A RENO bonding mortar.

Reinforcement (3-5 mm application thickness)  
In order to reduce absorbency, pre-treat HECK IDP FL once with Rajasil TG W.

Application of reinforcement layer with HECK K+A PLUS.  
Apply mortar in adequate thickness onto insulation boards using a stainless-steel float. For the creation of edges, the use of HECK Kantenprofil PVC with mesh is recommended. Then, embed HECK AGG FINE into upper third layer (10 cm mesh overlap min.); if necessary, apply some more mortar and trowel flush.

<b>Application:</b>	<b>Felted or textured render finish</b> Using a stainless-steel float, fresh-on-fresh apply HECK K+A PLUS, Rajasil KFP, or Rajasil KFIP onto the prepared reinforcement layer in about 2 mm thickness once the setting process has set in. During the setting process, the surface can be rubbed down with felt float or textured.
<b>Surface Coating:</b>	We recommend using only open-porous coating systems; for interior use e.g. Rajasil SIF INTERIOR.
<b>Notes:</b>	Observe HECK application guidelines and complementary Data Sheets of relevant products.
<b>Safety Instructions:</b>	No special measures necessary.
<b>Storage:</b>	dry
<b>Packaging:</b>	20 pcs / pack (= 2.40m <sup>2</sup> )



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