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**COLFIRMIT
RAJASIL**

HEALTH & SAFETY DATA SHEET

Technical data sheet 10.01

HECK Armierungsspachtel ZF (HECK reinforcing filler)

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is a fiber reinforced, ready-to-use reinforcing filler for HECK insulation systems.

Properties:

- easy to apply
- application by hand or with conveyor
- water vapour permeable
- highly flexible
- fine grained
- shade: light grey

Range of application:

For exterior and interior use, also for socles.
 For reinforcement of polystyrene insulation boards in HECK insulation systems and for smoothing and filling of suitable substrates, e.g. organic based final renders.
 Also suitable for fixing of corner and diagonal protectors.

Composition:

Organic polymer dispersion

Technical data:

- declared value for thermal conductivity λ_R : 0,70 W(m·K)
- water vapour permeability μ : approximately 370

Consumption:

2 mm layer thickness: approximately 2,8 kg / m²
 If material is applied by machine a higher consumption may occur!

**Substrate
and substrate preparation:**

Reinforcing on insulation boards:

The (dry) insulation boards must be fixed evenly, open joints must be filled with adequate insulation material. Remove grinding dust. Profiles, dowels, joint sealing bands and render rails, also protectors for edges and diagonal reinforcements have to be fixed before application.

Use as redecoration filler:

Substrate must be even, firm, clean, dry and free of dust and fat! Pre-cleaning is recommended. Primarily remove brittle or hollow render, coatings which are not longer firm and algae. Prime sandy, chalky, strongly absorptive mineral based substrates with Colfirmit Isoliergrund (Colfirmit insulation primer) once.

**Temperature
of substrate and applying:**

+ 5 °C, minimum

Application:	<p>Layer thickness of reinforcing filler: 2-4 mm</p> <p>Stir filler and apply with rust-free steel trowel onto the insulation boards, thickness as required. Embed HECK Armierungs-gewebe fein (HECK reinforcing mesh fine) within the outer third of the layer. (Let mesh overlap 10 cm minimum.) Apply further material if required. Smooth surface with a trowel of stainless steel evenly if thin final renders are planned.</p> <p>Waiting time until final render can be applied: depending on weather 1 day per mm layer thickness. (If weather is cool/moist longer waiting times are required.)</p>
Curing:	Protect freshly applied mortar from too fast deprivation of water (sun, wind, high temperatures), from frost and rain.
Coating:	With Colfirmit Kunstharzputz (Colfirmit resin render) or Siliconharzputz (silicon resin render) als well as Buntsteinputz (coloured stone render).
Notes:	<ul style="list-style-type: none"> - take notice of technical data sheet "application of HECK insulation systems" - clean tools immediately after use with water.
Safety instructions:	<p>Wash off splashes to skin with water and soap (never with solvents). After contact with eyes thoroughly rinse with water and consult physician.</p> <p>Ensure good ventilation. Do not smoke, eat or drink during work. Keep out of reach of children. After product has been swallowed consult physician.</p> <p>For further information see safety data sheet.</p>
Storage:	Cool and frost free, storage time approximately 6 months. Close containers well after use and consume soon.
Quality control:	Internal and external quality control.

This technical specification loses its validity with a new publication. With the information in this technical specification we want to advise to the best of our knowledge. The applying information are non binding, they are to be adjusted to the conditions and applying methods.

Member of Degussa Group

Recipients of WBS products must take responsibility for existing laws and regulations and at all times operate within Health and Safety guidance on the use of these products.

The information provided within this data sheet is deemed to be accurate to the best of our knowledge and given in good faith.