

# HFD GUTEX Thermoroom® 041

## Wood fiber insulation board according to DIN EN 13171 made from renewable raw material

Insulation panel acc. EN 13171

- optimum thermal insulation
- recyclable
- recommended in terms of building biology
- Dimensions: 500 × 1200 mm



## Applications

- for interior insulation of exterior walls
- for insulation under the rafters for plastering

## Properties

- made from untreated fir and spruce wood from domestic cultivation
- very good heat storage capacity for good protection against heat in summer and cold in winter
- vapour diffusion permeable
- high sound insulation
- shockproof
- biologically harmless
- excellent heat storage capacity, protection against heat in summer and cold in winter

## Substrate

### Condition / Testing

- The substrate must be dry, clean, load-bearing, dust-free, absorbent and free of adhesion-reducing residues, release agents, efflorescence and sintered coatings.
- The load-bearing capacity, particularly of old plaster and old paintwork, must be properly tested (e.g. by carrying out a pull-out test or cross-cut test).

## Processing

### Applying / Processing / Assembling

- For detailed and comprehensive installation instructions on board installation, fastenings and plaster application, see the akurit HFD GUTEX Thermoroom brochure.
- Cutting is carried out using a hand-held circular saw, jigsaw or circular table saw.
- Use akurit KSN Natural Lime Filler for bonding and reinforcing the insulation boards.
- Full-surface bonding is achieved using the buttering-floating method.
- Position insulation panels tightly immediately, at the latest however 10 minutes after applying the adhesive, with at least 10 cm overlap butt jointed. Then press on the panels with a large, clean plastering float.
- Do not allow any adhesive mortar to get into the panel joints.
- Panel offsets can be levelled using a sanding board.

### Subsequent coating / workability

- It is possible to process bonded panels further once the adhesive mortar has hardened sufficiently.
- Any necessary dowelling or application of the reinforcement layer is possible after sufficient hardening of the adhesive mortar.

### Notes

- Damaged or soaked insulation panels must not be installed. Adhesive mortar in the panel joints, the use of contaminated leftover panels as well as patchwork must be avoided.

## Storage

- Store dry and as per instructions.
- Protect against direct sunlight.

## Available insulating material thicknesses

- 40 mm, 50 mm, 60 mm, 80 mm, 100 mm

## Technical Data

<b>Technical specification</b>	EN 13171
<b>Designation key</b>	WF-EN13171-T4-CS(10/Y)50-TR7,5-MU3-AFr100
<b>Application abbreviation</b>	DI-zg; WI-zg according to DIN 4108-10
<b>Panel format</b>	L x W (mm): 1200 x 500
<b>Nominal value of thermal conductivity <math>\lambda</math></b>	0.039 W/(mK)
<b>Rated value of the thermal conductivity <math>\lambda</math></b>	0,041 W/(mK)
<b>Fire behaviour</b>	E
<b>Bulk density</b>	approx. 130 kg/m <sup>3</sup>
<b>Water vapour diffusion resistance <math>\mu</math></b>	3
<b>Compressive strength</b>	$\geq 50$ kPa
<b>Tensile strength vertical to panel plane</b>	$\geq 7,5$ kPa
<b>Specific heat capacity</b>	2100 J/(kg $\times$ K)

## General notes

This information sheet provides only general recommendations. Should you have any queries relating to a specific application, please contact our technical sales advisor or call our hotline: +49 541 601-601. All of the details given are based on our current knowledge and experience and on the assumption that the materials are professionally applied and used for their normal purpose. All of the details are non-binding and do not release users from their duty to undertake their own tests to ensure suitability for the intended application. Due to the effects of different weather, processing and construction site conditions, no guarantee can be given for the general validity of all details. We reserve the right to make changes as a result of further development of the product and applications engineering. The general rules for construction engineering, the valid standards and guidelines, and the technical working guidelines must be observed. The publication of this technical data sheet renders all previous editions of this data sheet void. Please obtain the latest information from our website.

## Safety and disposal instructions

### Disposal

- Dispose of the material in accordance with the official regulations.
- EWC code no.: 030105 or 170201