HWF reveal panel 043 ST

WDVS insulation reveal panel according to DIN EN 13171 made of normal inflammability wood fibre (WF) – building material class E

- Dimensions: 1350 x 600 mm
- thermal conductivity: λ = 0.045 W/(mK)

New!

Applications

- for AKURIT thermal insulation systems
- Stable insulation board for energy-efficient upgrading of the reveal area

Properties

- Made from untreated coniferous wood – for sustainable climate protection through CO_2 storage
- Cutting to the required reveal depths on the construction site is possible

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).
- The insulating material should only be processed on dry substrates to prevent discolouration on the facade.

Pretreatment

- Uneven areas can be bridged up to 1 cm/m with bonded and up to 2 cm/m with bonded and anchored ETICS systems. Larger uneven areas in the substrate must be levelled mechanically or by applying a levelling plaster.

Processing

Applying / Processing / Assembling

- The panels can be cut to size using a cutting table, band saw, circular saw, jigsaw and other wood-cutting tools.
- The insulation panels are fastened according to the specifications of the respective ETICS-approval/type approval
- Bonding in the spot bead method: Apply adhesive mortar in a surrounding bead on the edge of the panel as well as spots of adhesive in the centre of the panel. The adhesive contact area must be at least 40 %.
- Bonding over the whole area in the combed bed method on even substrates: Apply adhesive mortar with a notched trowel over the whole area on the back of the panel.
- Do not allow any adhesive mortar to get into the panel joints.

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.

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Notes

- Take into consideration the respective system permissions when using the product in thermal insulation composite systems.
- For further instructions on processing the product in ETICS, see brochure “Processing & Execution Wood Building Systems”.
- The panels must be anchored according to the structural analysis or the details according to the general building approval / general type approval issued by the DIBt that belongs to the system.
- 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 insulation boards horizontally, flat and dry.
- Protect edges from damage.
- Do not remove the film packaging until the ambient climate is dry and keep the pallet packing slip.
- Maximum stacking height: 2 pallets

Available insulating material thicknesses

- 40 mm

Technical Data

Technical specification	EN 13171
Designation key	WF-EN-13171-T5-DS(70,90)3-CS(10\Y)200-TR30-WS1,0-MU3
Application abbreviation	WAP acc. DIN 4108-10
Panel format	L x W (mm): 1350 x 500
Nominal value of thermal conductivity λ	0.043 W/(mK)
Rated value of the thermal conductivity λ	0,045 W/(mK)
Fire behaviour	E
Bulk density	approx. 180 kg/m²
Water vapour diffusion resistance μ	3
Compressive strength	≥ 200 kPa
Tensile strength vertical to panel plane	30 kPa
Specific heat capacity	2100 J/(kg × K)

Safety and disposal instructions

Disposel

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

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.