Note on English translation / Hinweise zur englischen Fassung
This is a translation of the product data sheet valid in Germany.
All stated details and properties are in compliance with the regulations of the German standards and building regulations. They are only applicable for the specified products, system components, application rules, and construction details in connection with the specifications of the respective certificates and approvals.
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Plaster and Façade Systems

P371H.de

Product Data Sheet 2020-11

Rotkalk in-Board 055 Historic

Insulation panel made of perlites for interior insulation of half-timbered building walls

Product description

Rotkalk in-Board 055 Historic is a mineral, capillary active and vapour-permeable insulation panel and consists of expanded perlites. It has been specially developed for interior insulation of half-timbered building walls.

Storage

Store dry and protect against permanent moisture, frost and weather conditions

Quality

The product is subject to initial type testing and continuous factory production control. In compliance with the European Technical Approval ETA-10/0193, the product is subject to regular external monitoring.

Properties and added value

- Non-combustible, building material class A1 acc. to DIN EN 13501-1
- Mineral-based and fibre-free
- Steam diffusion permeable
- Capillary active, high suction and distribution behaviour of the moisture
- Quick redistribution and drying of incidental moisture
- Mould resistant
- Easy application
- Environmentally-friendly
- Completely recyclable
- Specially matched Rotkalk in-System Historic specially for half-timbered buildings

Field of application

For use as interior insulation of walls and ceilings (WI, DI acc. to DIN 4108-10). Component of the Rotkalk in-System Historic.

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- emissionsarm
- geringer Schadstoffgehalt
- in der Wohnumwelt gesundheitlich unbedenklich

eco INSTITUT TESTED PRODUCT ID 1207- 12150 - 001

P371H.de Rotkalk in-Board 055 Historic

Insulation panel made of perlites for interior insulation of half-timbered building walls

Application

Rotkalk in-Board 055 Historic is applied directly after the full surface application of the Rotkalk in-Klebemörtel Historic adhesive on the rear of the panels (non inscribed side) in the horizontal direction with a board offset ≥ 20 cm at a constant pressure by sliding and pushing-in and aligning perpendicular and flush. The application is to be tightly jointed. Please ensure that adhesive does not enter the joints. Ensure that the connections are air tight and ensure decoupling from other constructional components. Avoid thermal bridges. Offset mismatches can be equalized with a sanding board when the adhesive has set. Open joints > 2 mm are filled using Rotkalk in-Füllmörtel TecTem mortar. At wall heights > 3.80 m and/or with the expected range of motion from the building / substrate, application of dowels across the entire wall area is required after the insulation panels have been applied.

The mechanical fastening is primarily recommended in the timber frame. The Schraubdübel 6H or STR H dowels can be used. Fastening in the bays between the timber frame is undertaken using the Schraubdübel STR U 2G screw-in dowels.
For required Rotkalk in- accessory products see P431-A01.de.

Caution	Rotkalk in-Board 055 Historic is delivered on Euro pallets wrapped in foil. Do not stack pallets on one another. When unloading and placing the pallets or individual packages, ensure that the corners and edges are not damaged. Avoid bending stresses. Do not apply damp panels

Application temperature/climate

Do not apply material below +5 °C and above +30 °C. The substrate must be frost-free. Protect the insulation panels against moisture during application and storage.

Technical data

Description	Standard	Unit	Rotkalk in-Board 055 Historic
Building material class	EN 13501-1	Class	A1, non-combustible
Format	–	mm	625 x 416
Thickness	–	mm	60
Dry density	ETA-10/0193	kg/m^3	130 – 150
Tensile strength	EN 1607	kPa	≥ 120
Compressive strength	EN 826	kPa	≥ 300
Flexural strength	EN 12089	kPa	≥ 200
Rated value thermal conductivity $\lambda_{D\ (23/50)}$	ETA-10/0193	W/(m·K)	0.055
Rated value of thermal conductivity λ	–	W/(m·K)	0.058
Water vapour diffusion resistance μ	EN 12086	–	5 – 6
Water absorption coefficient A_w / W_w	DIN EN ISO 15148	kg/(m^2·s$^{0.5}$) = A_w kg/(m^2·h$^{0.5}$) = W_w	1.76 105.4

The stated technical data were evaluated acc. to the respective test standards. Deviations under site conditions are possible.

Product range

Description	Thickness	Packaging unit		Material number	EAN
	mm	Pcs./package	m^2/package		
Rotkalk in-Board 055 Historic	60	6	1.56	00707092	4003950139338

Observe safety data sheet!
For safety data sheets and CE marking see
pd.knauf.de

Videos for Knauf systems and products can be found under the following link:
www.youtube.com/knauf

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Knauf Direct
Technical Advisory Service:

knauf-direkt@knauf.de

www.knauf.de

Knauf Gips KG Am Bahnhof 7, 97346 Iphofen, Germany

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