



Hofatex® SysTherm

Wood fibre boards for ETICS according to EN 13171

Insulating panels Hofatex® SysTherm are produced from renewable raw material. They full fill the high requirements of Hofatex® products for quality and ecological safety by achieving of very good thermal insulation.

Along of very good acoustic insulation values these boards have a very low value of thermal conductivity, which provide an excellent protection in winter. On the other side the high thermal capacity ensure a very good protection againts heat in summer.

Because of low value of vapour diffusion factor these boards are designed for using in diffusion open constructions. This ability quarantee a thermo-physical safety and insure the quality of living.

Because of very easy and light application are the Hofatex® SysTherm boards predetermined for using by betterments and also by new constructions. The area of socle must be insulated min. 30 cm above the ground level with water resistance perimeter insulation.

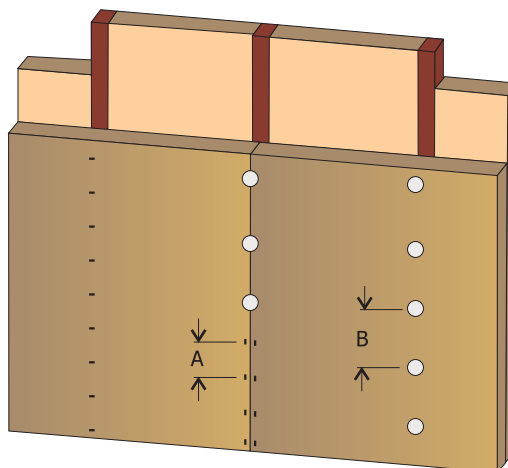
Hofatex® SysTherm insulation boards are good applicable by wooden frame constructions, also by massive constructions and like insulation sheatings. The construction, which is covered by these boards, must be dry, bearable, blightless and flat. The detected unevenness must be fixed with mortar.

The mounting and fixing of Hofatex® SysTherm boards is carried out by using of plastic fasteners (Ø 60 mm) or wide-back staples (gauge wire d_s Ø 1,8 mm, back width 27,5 mm).

The minimum anchor depth in to the substrate by wood screws is min. 25 mm and by using of wide-back staples is 30 mm.

The mounting and fixing application schemes must be aware.

	Distance of fixing appliance on wood frame exterior wall	
	A	B
Plastic fasteners Ø 60mm		≤ 250 mm
Wide-back staples	≤ 125 mm	



HOFATEX®

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isolare con il legno

l'isolation par le bois

insulate with wood

dämmen mit Holz

izolujte dřevom

Hofatex® SysTherm

Produced according to EN 13171, EN 622
Usage according to DIN 4108-4

Universal Plasterboard (ETICS) for different constructions:

- Wooden constructions
- Frame constructions
- Massive constructions
- Massive brick or concrete constructions

Applicable by:

- New buildings
- Redevelopment
- Reconstructions

Technically reliable, nature product with easy and long term approved application experiences.

Application only with Hofatex® System-plaster or products of producer Schwepa / Haering (D), Hasit (D), Haga (CH), Röfix (A). They applications instructions are muss be included in the system garante.

Quality control:

- LGA Nürnberg
- TSÚS Bratislava

Renewable raw material,
ecologic building material

Construction - ecological impact:

- Institut für Baubiologie und Ökologie, Neubeum

Your dealer:



Hofatex® SysTherm

Application

Because of need of exact joint of tongue and groove by profiled boards is necessary to store the boards by dry conditions by warehousing and also by processing of boards. Socle profiles are applicable min. 30 cm above ground level. The part of socle should be insulated with relevant thermal insulation.

Insulation boards must be laid with staggered joints (min. 30 cm). Joints must be fixed tight and vertical joints must be upright to horizontal edge of board. The mounted boards must create a flat and integral surface without cross joint.

Contact areas with construction parts must be made air-proof and also resistance to shock rain.

The mounting and fixing of Hofatex® SysTherm boards must be carried out only with specified fixation technology. Also is necessary to keep the specified schemes and also the correct amount of fixing tools.

Minimal thickness of boards for facade is 40 mm, and for holes is 20 mm.

Before installation of insulation boards is necessary to treat or eliminate the surface unevenness on facade with...

- grinding and planing by wooden constructions
- fining with mortar by massive constructions

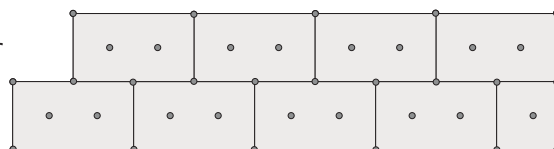
Eventually open joints is possible to fill with sprayed cork or with mixture of wood fibres and wallpaper glue. Bigger holes is possible to feed with scraps of Hofatex® SysTherm boards.

The mounted facade without plastering is possible to protect by plastic tarp from shock rain.

Minimum amount of fixing appliance / m ²	Building level				Maximum allowed distance of fixing appliance
	≤ 8m		≥ 8m ≤ 20m		
	Flat	Edge	Flat	Edge	
Plastic fasteners Ø 60mm	6		6	10	100 mm
Wide-back staples	16	20	16	30	150 mm

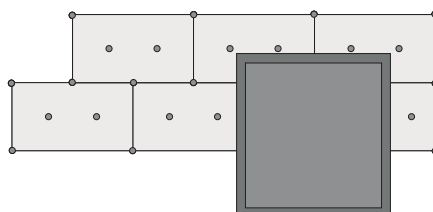
Plastic fasteners are let in to the boards surface until they are even. Anchor lenght by installing to wood is min. 25 mm and by applying to massive mineral surface is according to instruction of producer.

Each board is fixed by one plastic fastener in touch of corners and by two plastic fasteners in board plain.



On corners of holes (windows, doors, etc.) is better to prevent the positioning of boards joints.

Wide-back staples from nobel steel (e.g. Haubold BS 29000, lenght of staple: 75 - 150 mm). Distance from board edge Ø 15 mm, vertical distance of staples ≤ 150 mm, horizontal distance of staples ≤ 370 mm. The anchor length of staples is min. 30 mm in to the support construction.



By installation is necessary to keep installation principles by fixing with staples, nails and screws.



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Technical data

Produced according to EN 13171, EN 622
Usage according to DIN 4108-4

Thermal conductivity - declared
 $\lambda_D = 0,044 \text{ W/m.K}$

Vapour diffusion factor
 $\mu = 5$

Specific thermal capacity
2 100 J/kgK

Fire reaction class EN 13501-1
E

Building material class (DIN 4102)
B2

Density
210 kg/m³

Water absorption
≤ 1 kg/m²

Tensile strength
≥ 30 kPa

Compression strength
≥ 100 kPa

Formats in mm
SysTherm SK / 1220 x 2600
SysTherm NK / 590 x 1300
Platte to holes / 600 x 1300

Format with tongue in mm
SysTherm NK / 615 x 1325

Thickness in mm
SysTherm SK / 40, 60, 80
SysTherm NK / 40, 60, 80, 100
Platte to holes / 20, 40

Special formats upon request.

Wood-fiber insulation must be stored horizontally, kept dry and protected from mechanical damage.

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izolujte drevom



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