



Comfort for everyone

# Hofatex® Standard natur

## Universal wood fibre boards for a variety of uses

Hofatex® Standard natur wood fibre boards have been in production for over 50 years. At that time, these boards were traditionally placed in wall cavities and as these buildings are now being renovated the boards have shown no signs of ageing whatsoever. This is due to their high density (230 kg/m<sup>3</sup>) and breathability, which means that water vapour passes through the boards and evaporates. This is critical to keep the building structure dry and therefore structurally sound.

These rigid softboards are now used internally on floors, walls and ceilings and Hofatex® Standard natur 2 is widely used as noticeboard and pinboard material, due to its very smooth, ivory coloured surface. The boards reduce both impact (e.g. footstep) noise and airborne (e.g. talking, music) noise when placed on floors, as well as reducing heat loss through the floor. These attributes also apply to walls and ceilings.

**Hofatex® Standard natur 1** - These square edged boards are the standard boards that are used in a wide variety of uses.

**Hofatex® Standard natur 2** - These boards are very similar to Standard natur 1 but they have a smooth, ivory coloured coating on one side of the board. During production, a second layer of specially selected very fine wood fibre raw material is poured onto the first layer. These smooth finished boards are primarily used in interior applications e.g. as noticeboards and wall surfaces. Also this coating reduces the diffusion capabilities of the wood fibre so makes it an ideal board to apply plaster and wallpaper to, as the natural lignin within the wood will not stain the finished surface. Glue, plaster or paint which is applied onto the boards will not penetrate into the base.



isolare con il legno

l'isolation par le bois

insulate with wood

dämmen mit Holz

izolujte dřevom



**HOFATEX®**

H O F A T E X  
Cesta k Smrečine 5  
975 45 Banská Bystrica  
S L O V A K I A  
www.hofatex.eu

## Hofatex® Standard natur

Produced in accordance with  
EN 13171, EN 622  
Used in accordance with DIN 4108-4

### Universal insulation applications:

- Thermal insulation
- Protection from overheating in summer
- Airborne sound insulation
- Impact sound insulation

### Suitable projects:

- New builds
- Renovations
- Maintenance & remedial work
- Timber & masonry constructions

### Particular applications:

- Floor underlay
- Walls on interior side
- Ceilings
- Noticeboards
- Door padding
- Office partitions

A technically proven, natural product which is easy to fit, and has a long life expectancy

- Carbon neutral product
- Renewable raw material
- Ecological building material
- PEFC certified timber

Can be composted, recycled or safely burned to create heat energy

### Product testing laboratories:

- TÜV Rheinland
- LGA Bautechnik Nürnberg
- CSI Praha-Zlin

### Biologically safe product proven by:

- Institute for Constructional Biology And Ecology, Neubeuern

**NFB**  
Natural FiberBoard



# Hofatex® Standard natur



## Hofatex® Standard natur Technical data

Produced in accordance with EN 13171,  
EN 622  
Used in accordance with DIN 4108-4

**Thermal conductivity** - declared  
 $\lambda_D = 0,046 \text{ W/m.K}$

**Impact sound reduction**  
On a standard heavyweight concrete floor with a 50mm thick concrete screed top-deck

20mm Hofatex® Standard natur  
-  $\Delta L_w = 24 \text{ dB}$   
40mm Hofatex® Standard natur  
-  $\Delta L_w = 26 \text{ dB}$

**Airborne sound reduction**  
For the product on its own

10mm Hofatex® Standard natur  
-  $R_w = 21 \text{ dB}$   
19mm Hofatex® Standard natur  
-  $R_w = 25 \text{ dB}$

**Vapour diffusion factor**  
 $\mu = 5$

**Specific heat capacity**  
2,100 J/kg.K

**Fire reaction class EN13501-1: E**

**Density**  
ca.  $230 \pm 20 \text{ kg/m}^3$

**Tensile strength**  
 $\geq 30 \text{ kPa}$

**Compression strength**  
 $\geq 100 \text{ kPa}$

**Size in mm**  
1220 x 2440

**Thickness in mm**

**Hofatex Standard natur 1**  
8, 10, 12, 15, 19  
**Hofatex Standard natur 2**  
8, 10, 12, 15

Special sizes upon request

Wood fibre insulation must be stored flat, kept dry and protected from mechanical damage. Prior to installation, the boards must be left for a few days to acclimatise to the given environment.

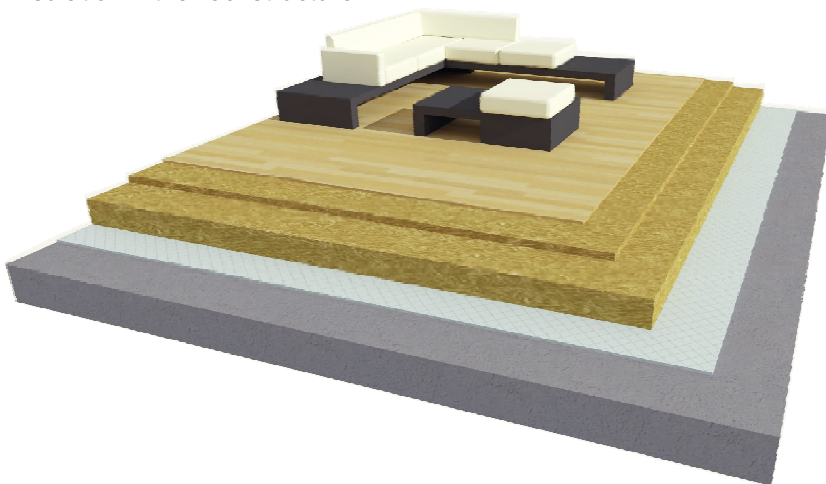
## Applications for Standard natur 1 and 2

- Thermal insulation
- Airborne sound insulation
- Impact sound insulation
- Acoustic absorption
- Underlay for various floor types
- Noticeboards & pinboards
- Office partition walls to reduce sound
- Sound insulation for inside of hollow doors
- Packaging material
- Variety of structural uses

## Usage instructions

- Store in a dry place
- Cut with an insulation knife or a circular saw with suction to minimize dust
- Avoid cross cuts

The Hofatex® Standard natur range of boards have a high compression strength of at least 100 kPa, so they are ideal to be used in floor constructions where high concentrated point loads are typical, and they provide thermal insulation as well as airborne and impact sound insulation in the floor structure.



Hofatex® Standard natur boards are widely used in the manufacture of timber frame buildings. The large sized boards are used as diffusion-open sarking boards for the pre-fabricated wall elements.

## Hofatex® Standard natur as an Underlay for Floating Floor

