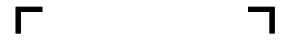


# Fundermax Biofiber



For you to create



## Fundermax

The biofiber board is made of 100% sustainable, certified wood. A special feature of the biofiber production is the wet fiber process. During the process, the wood's own natural resins are dissolved and serve as binders in the board. As a result, there are no petrochemical additives in the board needed.

The electrical and thermal energy for board production comes exclusively from biogenic and thus sustainable fuels. Thus, due to the wet process, the biofiber has the best properties in the field of thin wood-based materials, these allow a wide range of applications

## Applications

The outstanding and exceptional product properties lead to a variety of applications:

- **Healthy and sustainable alternative to other products:**  
Stiffening wall cladding in timber frame construction (e.g.: in the prefabricated house industry, etc. 8mm biofibre „Funderplan“)
- **Excellent product properties, ecology:**  
Construction (e.g.: Support plates for underfloor heating, outer and inner shell for roller shutter boxes, etc.)
- **Very good paintability, sound insulation due to high density, good water resistance:**  
Top layer for doors
- **Excellent flatness, perfect machinability (punching, milling, cutting):**  
Interior trim in the automotive industry
- **Slows down rusting, sustainable food packaging:**  
Packaging (e.g.: steel industry, fruit crates, etc.)
- **Homogeneity of the material:**  
Drilling pad for the printed circuit board industry
- **Very good flexibility:**  
Furniture (e.g.: interior construction of sofa furniture, box back panels, etc.) and shoe heels

## Formats

The biofibre panel is available in the full format 5640 x 2150 mm (any cut to size possible) and with a thickness of 1.6 to 8.0mm (up to 12.0mm on request).



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# Product Data Sheet

## Biofaser BF-ST

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**Classification:** Wood fibre boards according EN 316

**Test standard:** EN 622

**Technical class:** HB.H (General purpose boards for use in humid conditions)

Mechanical properties		Test standard	Unit	Value
Density		EN 323	kg/m <sup>3</sup>	≤ 2,7 mm > 900 > 2,7 mm > 950
Thickness		EN 324-1	mm	2,0 – 8,0
Bending strength		EN 310	N/mm <sup>2</sup>	> 45
Internal bond strength		EN 319	N/mm <sup>2</sup>	> 0,6
Thickness swelling (24h)		EN 317	%	< 25
Moisture content		EN 322	%	5 – 8
Formaldehyde content (perforator method)		EN ISO 12460-5	mg/100g	< 8,0
Formaldehyde content		DIN EN 16516		< 0,1
Formats	Cut to size		ppm	on request
Dimension tolerance		Test standard	Unit	Value
Thickness	non-sanded sanded	EN 324-1	mm	± 0,4 ± 0,2
Length/ Width		EN 324-1	mm	± 2,0

## Important instructions

### Handling

When working with the material, such as grinding and sawing, there is a risk of dust explosion. Do not smoke during work, keep away open fire sources, provide good room ventilation and vacuum the dust at the site of origin.

### Storage

The storage of the product should be carried out in a dry and well ventilated place (relative humidity 35 – 65%). Since this product does not contain any biocides or other preservatives, fungal attack can occur due to longterm effects of condensation and insufficient ventilation. The product „Biofaser BF-ST“ is a flame retardant but combustible material and should not be stored together with highly flammable substances. Material compatibility: The product is compatible with all materials.

### Disposal

The disposal can be carried out by means of landfilling, material or thermal recovery (in suitable plants) as biomass. The material is biodegradable. The following waste code numbers from the European waste catalogue (EAK) depending on the origin are possible: e.g. 030105, 170201, 200138 waste code number according to ÖNORM 17201

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