

strumber

by THE TRUE GREEN

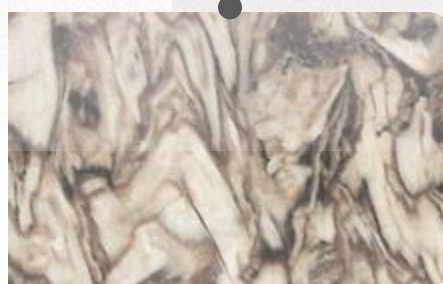
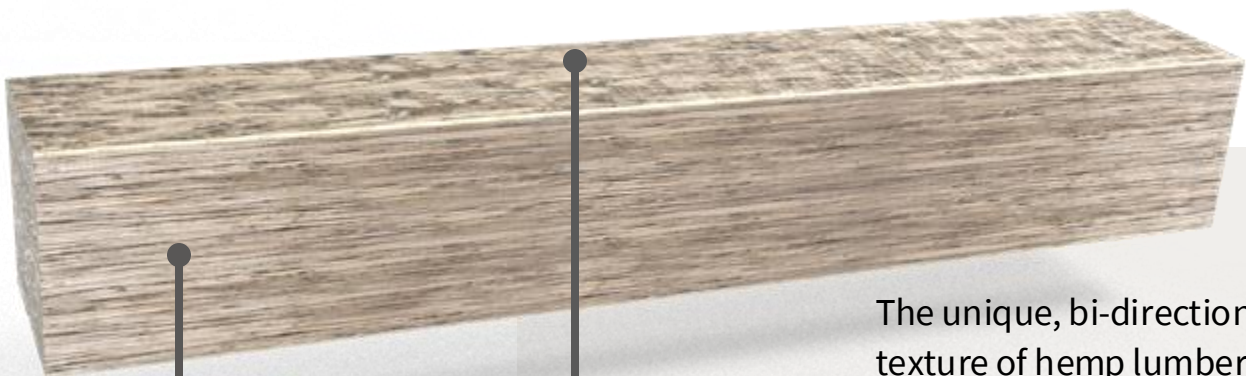
WOOD REVOLUTION

Strumber 750

HEMP LUMBER 750 kg/m³

Strumber 750 is an ideal alternative to traditional solid wood used in carpentry for the production of interior or finishing elements.

- It is an innovative and much more environmentally friendly technology for obtaining hemp lumber compared to timber harvested through forest logging
- The material is highly versatile and easy to work with in carpentry, making it perfect for manufacturing products such as furniture, lighting, interior fittings, or wall and ceiling decorations.
- Thanks to the unique physico-mechanical properties of hemp and the innovative production technology, the raw material has increased resistance to deformation due to changes in humidity compared to traditional wood lumber



The unique, bi-directional texture of hemp lumber provides a natural and interesting design for products, allowing them to better meet the tastes of various end customers.



Product Advantages



A pleasant, natural material that is an alternative to solid wood.



2 unique patterns within the same beam.



Planet-friendly hemp lumber production technology based on easily renewable natural raw materials.



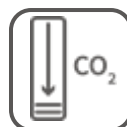
Recyclable waste, allergy-friendly.



Increased resistance to deformation of lumber due to changes in the humidity level in the beam.



Carpentry and finishing processing similar to standard wood.



Improving the environmental performance of final products (lower carbon footprint).



Density similar to solid wood (beech, oak).

Technical data

density	aprox. 750 kg/m ³
raw material	hemp stalk
glue	Plant based
humidity	6-12%
hardness	similar to oak wood
Bending strength	34,6 MPa
modulus of elasticity	7579 MPa
formaldehyde emissions	No emission
Colour	Natural
biodegradability	Yes
CO₂ absorption/1m³ of raw material	1407 CO ₂ / 1m ³ raw dry material
Material texture/design	Two-way
Standard joinery	Yes



750 kg/m³
density

6-12 %
humidity

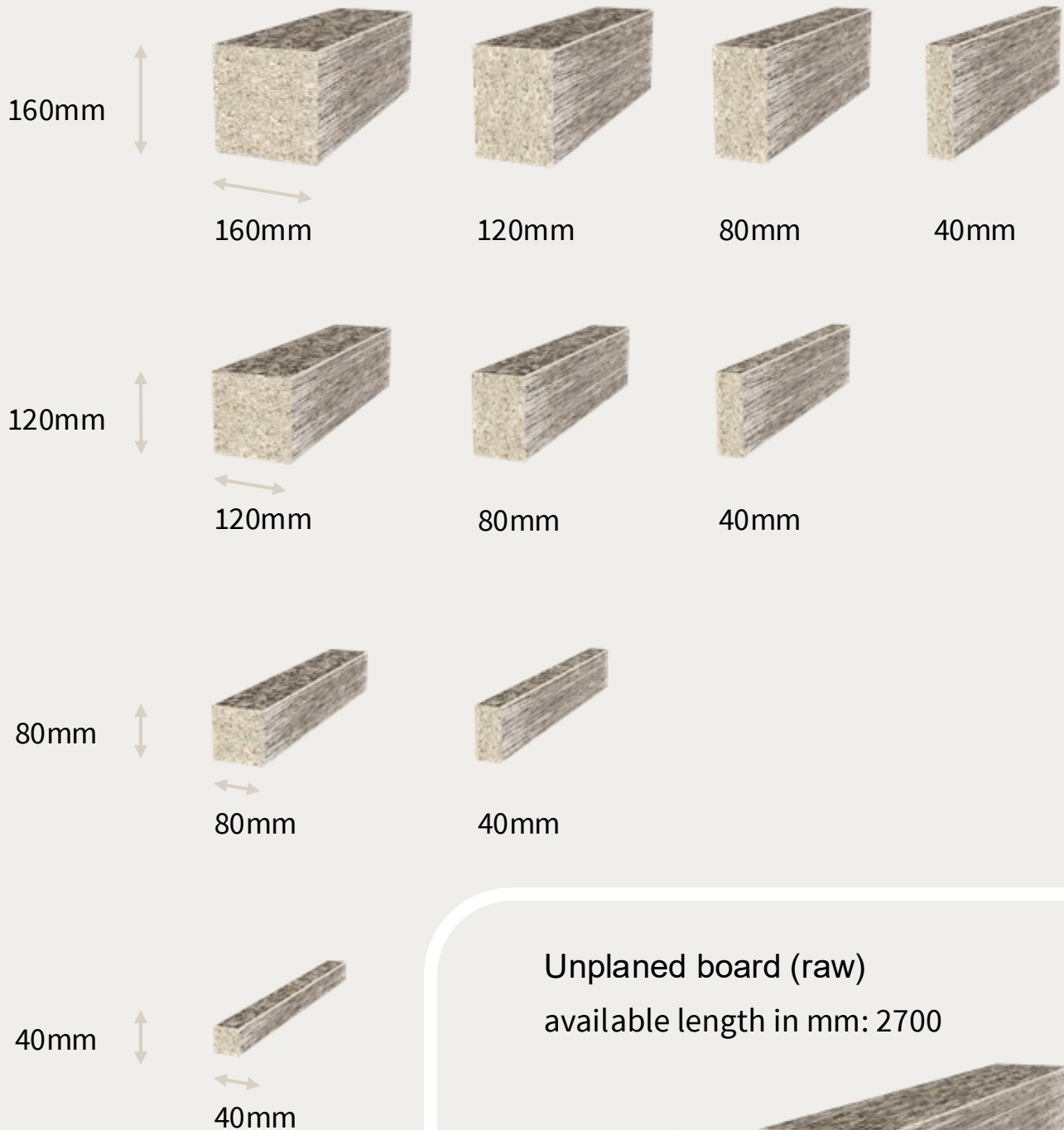
34,6 MPa
Bending strength

7579 MPa
Modulus of elasticity

Product offer - hemp wood

Planed board

available length in mm: 2550 / 1250 / 1000 / 500



Unplaned board (raw)

available length in mm: 2700



Storage

Hemp lumber should be stored in a dry place, protected from dust and UV rays.

Additional



RESEARCH INSTITUTES

Research & Development Centre
for Wood-Based Panels Sp. z o. o.
in Czarna Woda (OBRPPD)

http://obrppd.com.pl/index_en.html

Carpentry work

TOOLS

Classic hand carpentry tools, electric carpentry saws and grinding devices, extractors, drills.

SANDING

Use 180-300 grit sandpaper.

Hand sanding (e.g. with an orbital sander)

Machine sanding (wide belt sander)

Once sanding is complete, blow any residue off the surface and out of the pores with compressed air.

FINISHING

The finishing process can be carried out immediately after sanding. The surface must be dry, free of dust and grease.

Suitable products: wood oils, varnishes, waxes.

Sequence: first application is a primer (at different angles to wet the inner walls and initially raise the fibres on the surface), after hardening, intermediate sanding (e.g. 180 grit - orbital sander), blow/suction the surface with air, 1-2 thin top coats

Apply the product as thinly as possible to maintain the structure of the material.

Other information

FORMALDEHYDE EMISSION

The True GREEN hemp lumber does not contain formaldehyde-melamine resins.

Visit us at:

Strumber.eu

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WOOD REVOLUTION

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