

FIBRO NATURE™ STANDARD

Technical Data Sheet

SOFTBOARD

SB type, manufactured in accordance with the PN-EN 13 986 and PN-622-1; 622-4 standard

STANDARD DIMENSION:

1200/ 1220 x 1830/ 2440/ 2500/ 2700/ 2750/ 3050 mm

THICKNESS:

6,0; 7,0; 8,0; 9,5; 12,0; 15,0; 19,0; 20; 25 mm

Technical and mechanical properties:

Parametr:	Value:
Density [kg/m ³]	> 230
Decelerated thermal conductivity λ_D [W/mK]	0,050
Water vapor permeability (diffusion resistance coefficient) μ	dry condition = 10 wet condition = 5
Specific thermal volume c [J/kg x K]	2100
Swelling after 2 h water soaking [%]	≤ 10
Static bending strength [N/mm ²] (*)	> 1,0
Flammability class acc. to DIN 4102	B2
Fire reaction acc. to the PN-EN 13 501-1 standard	E
Sound absorption coefficient: frequency 250 – 500 Hz / 1000 – 2000 Hz	0,10/ 0,30
Thickness tolerance [mm]: ≤ 10 mm/ > 10 mm do 19 mm/ > 19 mm	± 0,7/ ± 1,2/ ± 1,8
Tolerance: length/ width/ rectangularity/flatness [mm]	± 2,0/ ± 1,0/ ± 5,0/ < 6,0

(*) – depends on thickness

The initial tests of type (ITT) were done by the Gesellschaft für Materialforschung und Prüfanstalt für das Bauwesen Leipzig GmbH (MFPA Leipzig GmbH), Notified Body No. 0800.

The range of test made by the Company Quality Control (CQC) is conformed to the B Appendix. Work of CQC is supervised by MFPA Leipzig GmbH, NB No 0800 and MPA BAU München, NB no 1211.