

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.

DECLARATION OF PERFORMANCE

No. DoP-01/SB/13

1. Unique identification code of the product-type:

**SOFTBOARD, SB TYPE
FIBRO NATUR STANDARD**

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11 (4):

Date of production, shift, number of test of Manufacturing Quality Control is given on a label or packing.

3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

Non-structural components for internal use in dry conditions.

4. Name, registered trade name of registered trade mark and contact address of the manufacturer as required pursuant to Article 11 (5):

FIBRO NATUR STANDARD

**FIBRIS Spółka Akcyjna
ul. Ofiar Katynia 17
PL 37-700 Przemyśl
Polska**

5. Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12 (2):

Not applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System of Conformity Approval 3

7. In case of declaration of performance concerning a construction product covered by a harmonized standard:

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

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

Not applicable

9. Decelerated performance:

Essential characteristics	Performance			Harmonized technical specification
	Value for nominal thickness range [mm]:			
	<10	10 - 19	>19	
Density [kg/m ³]	≥ 230			PN EN 316
Static bending strength [N/mm ²]	> 1,2	> 1,0	> 0,9	PN EN 310/ PN EN 622-4
Swelling after 2 h of immersion in water [%]	<10			PN EN 317
Humidity contents [%]	4 < W ≤ 9			PN EN 322
Fire reaction [class]	E			PN-EN 13 501-1
Class of formaldehyde	E1			PN EN 13986
Steam diffusion resistance factor μ	2,0 (high air humidity) 5,0 (low air humidity)			PN EN 13986
Thermal conductivity λ _D [W/mK]	0.05			PN EN 13986
Sound absorption coefficient	0,10 (250-500Hz) 0,30 (1000-2000Hz)			PN EN 13986

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Place and date of issue:

Przemyśl, 1.07.2013

Name and function:

Iwona Sudzińska-Piotrowska

Iwona Sudzińska-Piotrowska
Production Coordinator
Manager of Manufacturing Quality Control