

FIBRO N^{TUR}™ ECO – BIT

ECO-BIT is a porous fibreboard which is an ecological substitute for porous bitumen. The appropriate level of hydrophobic protection makes the board suitable for outdoor use as a sleepers for highway construction, and as an insulating element for buildings. In addition, this type of board can be used under sloping facades, and thanks to its strength and thickness it is very easy to assemble.

- ecological, environmentally friendly,
- small waste during machining,
- fast and easy to work with,
- soundproofing under asphalt screeds,
- it is recyclable,
- increased resistance to moisture, thanks to the addition of hydrophobic agent,
- excellent insulation properties,
- very high compressive strength.

The quality of the produced board is monitored by factory production control. Type tests are performed in cooperation with MFPA LEIPZIG.

STANDARDS:

PN-EN 13 171 and PN-EN 13 986, type SB.E

DETERMINATION IN ACCORDANCE WITH THE PN-EN 13 171 STANDARD:

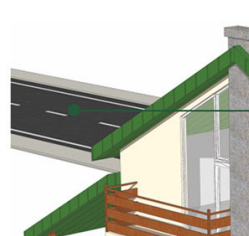
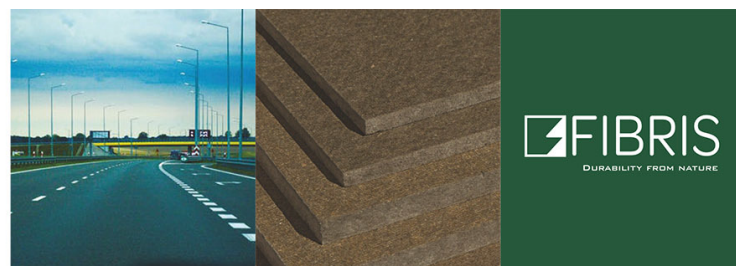
WF-EN 13171 - T4 - DS(70,-)2 - CS(10/Y)
250 - TR30 - WS 1,0 - MU5-AFr 100

THICKNESS:

10,0; 12,0; 15,0; 18,0; 25,0 mm

STANDARD DIMENSIONS:

1220/1200 x 2200/2440/2500/3050 mm



ECO – BIT is great for highway construction.



Physico-mechanical properties of boards

Parameter:	Value:
Density [kg/m ³]:	> 270
Declared heat conduction coefficient λD [W/mK]	0,050
Water vapor diffusion coefficient μ	Dry conditions = 10 Damp conditions = 5
Proper heat capacity c [J/kg x K]	2100
Swelling after a 2h soak in water [%]	≤ 6
Static bending strength [N/mm ²] ≤ 10mm / > 10 mm to <19 mm / > 19 mm	1,5/ 1,2/ 1,0
Fire reaction class according to PN-EN 13 501-1	E
Sound absorption coefficient: Frequency 250 – 500 Hz / 1000 – 2000 Hz	0,10/ 0,30
Water absorption at short-time immersion according to PN-EN 1609 [kg/m ²]	≤ 1,0
Compression strength [kPa] according to PN EN 826	> 250
Tensile strength [kPa] according to PN EN 1607	> 30
Air flow resistance [kPa · s / m ³]	> 100
Thickness tolerance [mm] ≤ 10mm / > 10 mm do < 19 mm / > 19 mm:	± 0,7/ ± 1,2/ ± 1,8
Tolerance length / width / squareness / flatness [mm]:	± 2,0/± 1,0/ ± 2,0/ < 6,0

Logistics information – packing method

No	Thickness [mm]	Width [mm]	Length [mm]	Pieces / pallet	m ² / pallet	pallet / semi-trailer	Pieces / semi-trailer	m ² / semi-trailer	m ³ / semi-trailer
1	10,0	1220	2440	115	342,33	20	2300	6846,64	68,46
2	12,0	1220	2440	95	282,79	20	1900	5655,92	67,87
3	15,0	1220	2440	76	226,23	20	1520	4524,73	67,87
4	18,0	1220	2440	64	190,51	20	1280	3810,30	68,58
5	25,0	1220	2440	46	136,94	20	920	2738,65	68,46



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