



CELENIT NB

Technical data sheet



Thermal and acoustic insulation board, consisting of mineralized fir wood wool bound with white Portland cement. Wood wool is 3 mm wide. High quality boards for design acoustic absorption systems. It complies with EN 13168 and EN 13964 standards. The boards are certified by ANAB-ICEA and natureplus for eco-compatibility of materials and manufacturing process. CELENIT NB is PEFC™ certified. Also available with FSC® certification.

Edges detail
D - DT - T

Colours
standard acrylic water-based colours, liquid potassium silicate colours

Applications
false ceilings, wall coverings, baffles, acoustic rafts and design solutions

Technical data

Standard	EN 13168 - EN 13964				
Designation code	WW-EN13168-L3-W2-T2-S2-CS(10)200-Cl3 (thicknesses 15-40 mm) WW-EN13168-L3-W2-T2-S2-CS(10)150-Cl3 (thickness 50 mm)				
Dimensions [mm]	2400x600 - 2000x600 - 1200x600 - 600x600				
Thickness [mm]	15	25	35	50	
Weight [kg/m ²]	8.0	11.5	14.0	18.0	
Declared thermal conductivity λ_D [W/mK]	0.065				
Declared thermal resistance R_D [m ² K/W]	0.20	0.35	0.50	0.75	
Compressive stress at 10% deformation σ_{10} [kPa]	≥ 200 (thicknesses 15-40 mm) ≥ 150 (thickness 50 mm)		Durability		Class C
Water vapour transmission μ	5		Light reflection CELENIT ABE [%]		50.7 - 74.0 (painted white 05/15)
Specific heat c_p [kJ/kgK] ¹	1.81		Release of formaldehyde		Class E1
Reaction to fire ²	Euroclass B-s1, d0		Release of asbestos		it does not contain asbestos
Chloride content	≤ 0.06				

¹ Certified by the University of Bologna - LEBSC no. 809 | rev. 07.05.2009

² The reaction to fire does not change for painted products

Logistic data

Dimensions [mm]	Pallet	15 mm	25 mm	35 mm	50 mm
2400x600	boards per pallet	130	88	64	44
	m ² per pallet	187.20	126.72	92.16	63.36
2000x600	boards per pallet	130	88	64	44
	m ² per pallet	156.00	105.60	76.80	52.80
1200x600	boards per pallet	130	88	64	44
	m ² per pallet	93.60	63.36	46.08	31.68
600x600	boards per pallet	260	176	128	
	m ² per pallet	93.60	63.36	46.08	

Certifications

CERTIQUALITY no. 1351 | rev. 10.04.2015
ANAB no. EDIL 2009_004 Ed. 02 Rev. 00 | rev. 07.01.2015
NATUREPLUS no. 1007-1511-134-1 | rev. 12.11.2015
FSC® no. ICILA-COC-002789 | rev. 14.10.2014
PEFC™ no. ICILA-PEFCOC-000117 | rev. 14.10.2014
ICEA no. LEED 2015_001 Ed. 00 Rev. 00 | rev. 19.01.2015
ICEA no. REC 2015_001 Ed. 00 Rev. 00 | rev. 19.01.2015
CPR EN 13168 no. 0407-CPR-755
CPR EN 13964 no. 0407-CPR-1165

UNI EN ISO 9001:2008



SISTEMA DI GESTIONE
QUALITÀ CERTIFICATO



Certificato n° EDIL_2009_004
Ed. 02 Rev. 00
Istituito per la Certificazione
Ente e Ambiente



PEFC/18-31-168



CERTIFIED
RECYCLED



No. 1007-1511-134-1



Storage, use and maintenance

The boards must be stored on a pallet placed in a flat surface, protected from rain and direct sun. Pallet handling on site will be performed with the necessary care. Bumps at the corners of the pallets can cause damage to the boards. For more information see the data "Storage, use and maintenance" available in the download area of the website www.celenit.com.



CELENIT boards are dimensionally stable (EN 13168), however, they must be installed after acclimatization in the same room where they are going to be installed. After all concrete works are finished and the doors, windows, heating and ventilation systems installed. Room temperature must be kept constant before and after installation. Do not suddenly change the temperature of the room after installation.

The boards have one side that should be visible (front of the board) and another side that should be placed against the structure (back of the board). The back of the board usually has CELENIT logo or shows marks of calibration. The front may be painted and/or has edges' works. In the absence of paint or edges it is possible to identify the front according to the pallet's layout: the front of the boards is towards the top and the back down towards the pallet.

Due to their natural production process and raw materials non painted boards may have a dis-homogeneous colour. The boards must be painted to have an homogeneous colour.