



CELENIT L3

Technical data sheet



Composite thermal and acoustic insulation board, consisting of two layers (thickness 5 mm each) of mineralized fir wood wool bound with grey Portland cement coupled to an internal layer of high density mineral wool according to EN 13162 standard. It complies with EN 13168 standard.

CELENIT L3 is PEFC™ certified. Also available with FSC® certification.


Edges detail

D - BC - BL - B4

Applications

sloping roofs, acoustic partitions, ceilings insulation with permanent formwork system

Technical data

Standard	EN 13168							
Designation code	WW-C/3 MW-EN13168-L2-W1-T1-S2-CS(Y)50-TR15-Cl1							
Length x Width [mm]	2000x600 - 1000x600							
Thickness [mm]	35	50	75	100	125	150	175	
Layers structure [mm]	5/25/5	5/40/5	5/65/5	5/90/5	5/115/5	5/140/5	5/165/5	
Weight [kg/m²]	10.8	12.3	15.4	18.7	22.1	25.5	28.8	
Declared thermal conductivity λ_D [W/mK]	WW 0.071 - MW 0.039							
Declared thermal resistance R_D [m²K/W]	0.75	1.15	1.80	2.45	3.05	3.70	4.35	
Thermal resistance R [m²K/W]	0.78	1.17	1.81	2.45	3.09	3.73	4.37	
Compressive strenght σ_m [kPa]	≥ 50							
Tensile strength perpendicular to faces σ_{mt} [kPa]	≥ 15							
Water vapour transmission μ	WW 5 - MW 1							
Reaction to fire	Euroclass B-s1, d0							
Chloride content [%]	≤ 0.35							

Logistic data

Dimensions [mm]	Pallet	35 mm	50 mm	75 mm	100 mm	125 mm	150 mm	175 mm
boards: 2000x600	boards per pallet	64	44	30	22	16	14	12
pallet: 2000x1200	m² per pallet	76.80	52.80	36.00	26.40	19.20	16.80	14.40
boards: 1000x600	boards per pallet	128	88	60	44	32	28	24
pallet: 2000x1200	m² per pallet	76.80	52.80	36.00	26.40	19.20	16.80	14.40

Certifications

ISO 9001:2015 no. 1351
FSC® no. ICILA-COC-002789
PEFC™ no. ICILA-PEFCCOC-000117
ICEA no. LEED 2015_001
ICEA no. REC 2015_001



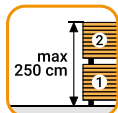


Storage

The boards must be transported and laid on a flat surface in a clean and dry place, protected from direct moisture.

Pallet handling on site will be performed with the necessary care. Bumps at the corners of the pallets can cause damage to the boards.

Store the boards indoor; boards must be not in direct contact to the ground and protected from moisture and atmospheric agents. During the storage of pallets on site, make sure to not remove the plastic wrapping. The boards must be dry at the time of installation as the place on which they are going to be installed.



The boards have one side that should be placed against the structure (back of the board). The back of the board usually has CELENIT logo.

In the absence of the logo 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.

If the boards were for indoor use, before installation they must remain in the room to adapt to the temperature and humidity, for a few days. Avoid sudden temperature increases, just after the application of the boards.