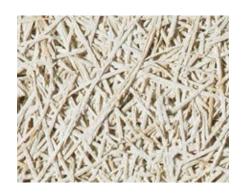


CELENIT ABE/A2

Technical data sheet



Thermal and acoustic insulation board, in Euroclass A2-s1, d0, consisting of mineralized extra-thin fir wood wool bound with white Portland cement and mineral powder. Wood wool is 1 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 for eco-compatibility of materials and manufacturing process. CELENIT ABE/A2 is PEFC™ certified. Also available with FSC® certification.

Also available with grey Portland cement [CELENIT AE/A2].

Edges detail

D-S4-RD DT-T-RDT-RST-PS-PM

Colours

natural or painted

Applications

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

Technical data

EN 1316	8 - EN 139	964	((
WW-EN1	13168-L3-V	N2-T2-S2-C	CS(10)300-Cl3	(6			
2400x60	00 - 2000x6	500 - 1200x	x600 - 600x600				
15	25	35					
9.4	15.3	21.7					
0.100							
0.15	0.25	0.35					
> 300			Sound absorption	α_{w} up to 0.95 - NRC up to 0.95			
2 300			Durability	Class C			
5			Light reflection	EQ 7 74.0 (pointed white 05/15)			
1.81			CELENIT ABE/A2 [%]	50.7 - 74.0 (painted white 05/15)			
Euroclas	ss A2-s1, d	0	Light reflection	31.2			
≤ 0.06			CELENIT AE/A2 [%]				
2009			Release of formaldehyde	Class E1			
			Release of asbestos	it does not contain asbestos			
	WW-EN ⁻ 2400x60 15 9.4 0.100 0.15 ≥ 300 5 1.81 Euroclas	WW-EN13168-L3-\ 2400x600 - 2000xi 15	2400x600 - 2000x600 - 1200x 15	WW-EN13168-L3-W2-T2-S2-CS(10)300-Cl3 2400x600 - 2000x600 - 1200x600 - 600x600 15			

Logistic data

Dimensions [mm]	Pallet	15 mm	25 mm	35 mm
boards: 2400x600	boards per pallet	130	88	60
pallet: 2400x1200	m² per pallet	187.20	126.72	86.40
boards: 2000x600	boards per pallet	130	88	60
pallet: 2000x1200	m² per pallet	156.00	105.60	72.00
boards: 1200x600	boards per pallet	130	88	60
pallet: 1200x1200	m² per pallet	93.60	63.36	43.20
boards: 600x600	boards per pallet	260	176	120
pallet: 1200x1200	m² per pallet	93.60	63.36	43.20

Certifications

ISO 9001:2015 no. 1351 ANAB no. EDIL 2009_004 FSC® no. ICILA-COC-002789 PEFC™ no. ICILA-PEFCCOC-000117 ICEA no. LEED 2015_001 ICEA no. REC 2015_001



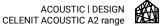












CELENIT ABE/A2

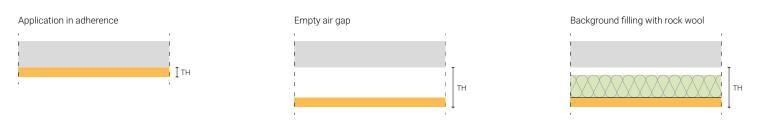
Technical data sheet

Sound absorption

Type of board ¹	Test specifications 2		Certificate ³		Sound absorption										
	Thickness M	MW	MW TH	No.	Date	Frequencies α _P [Hz]						_	NRC	SAA	Class
	[mm]	[mm]	[mm]			125	250	500	1000	2000	4000	$\alpha_{\rm w}$	INKC	SAA	CidSS
Application in adherence															
CELENIT ABE/A2	25		25	324524-A	14.05.2015	0.10	0.15	0.25	0.45	0.75	0.60	0.35 (H)	0.40	0.39	D
Empty air gap															
CELENIT ABE/A2	25		300	331336-A	11.02.2016	0.30	0.60	0.50	0.65	0.80	1.00	0.60 (H)	0.65	0.64	С
Background filling with rock wool															
CELENIT ABE/A2	25	40 (4)	65	324524-B	14.05.2015	0.25	0.65	1.00	0.95	0.80	0.90	0.85	0.90	0.89	В
CELENIT ABE/A2	25	50 (4)	200	324525-A	14.05.2015	0.45	0.95	0.95	1.00	0.85	0.90	0.95	0.95	0.93	Α
CELENIT ABE/A2	25	40 (4)	300	324525-B	14.05.2015	0.50	0.90	0.95	1.00	0.85	0.90	0.95	0.95	0.93	Α

¹ Paint doesn't affect sound absorption performances of CELENIT boards as described in the technical note provided by Istituto Giordano dated 16.07.2015. Sound absorption values are also valid for products with grey cement

³ All certificate are based on tests carried out at the Giordano Institute (Bellaria - RN - Italy) according to EN ISO 354:2003 standard



Storage, use and maintenance

The boards must be stored on a pallet placed on a flat surface, protected from rain and direct sunlight. Pallets must be handled with care on site. Bumping the corners of the pallets can cause damage to the boards. For more information see the "Storage, use and maintenance" information available in the download area of the website www.celenit.com.











CELENIT boards are dimensionally stable (EN 13168), however, they must be installed after acclimating to the same room they are going to be installed in, as well as after all concrete works are finished and the doors, windows, heating and ventilation systems have been 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 the CELENIT logo or shows calibration marks. The front may be painted and/or has worked edges.

In the absence of paint or edges, the front can be identified according to the pallet layout: the front of the boards faces the top and the back faces the pallet.

Due to their natural production process and raw materials, boards that are not painted may have an uneven color.

The boards must be painted to have an even color.

The data of the present technical data sheet is correct at the time of release. CELENIT S.p.A. is continuously improving the products, therefore this technical data sheet can be up-dated without prior notice. Please contact our technical assistance to get the latest release.





Test specifications: "thickness" is relative to CELENIT board - "MW" is the thickness of rock wool in the background, (4) density 80 kg/m³ - "TH" is the total construction height from the lower edge of ceiling to lower edge of poards