

## DOUBLE WALL ON OMEGA-SHAPED PROFILES

### SPECIFICATION

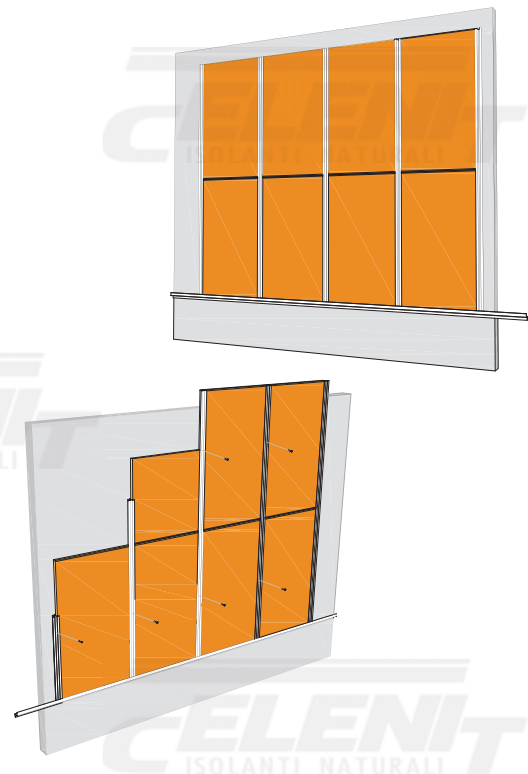
Sound-absorbing double wall, on omega-shaped profiles, made up of Celenit..., thermal and acoustic insulation panel, consisting of mineralised fir wood-wool ...<sup>1</sup> thick, bound with white Portland cement, according to UNI EN 13168, classified as Euroclass B-s1, d0 product (EN 13501-1); certified by ANAB-ICEA for eco-biocompatibility of materials and the production process, PEFC for the sustainable management of wood and TÜV that certified that 15% of the weight of the panel consists of pre-consumer recycled material.

Panel thickness mm..., dimensions mm..., edge finish..., colour...<sup>2</sup>  
Panels laid between omega-shaped profiles anchored to the wall with suitable fastening at distance of...<sup>3</sup>

<sup>1</sup> 3 mm (normal, Celenit NB) 2 mm (thin, Celenit AB) 1 mm (ultrathin, Celenit ABE)

<sup>2</sup> without painting (natural ivory colour) or with painting (see COLOUR CHARTS)

<sup>3</sup> distance defined by the width of the profiles, the width of the panels chosen and the necessary space for the insertion of the same (internal light between the profiles must be at least 60.5 cm)



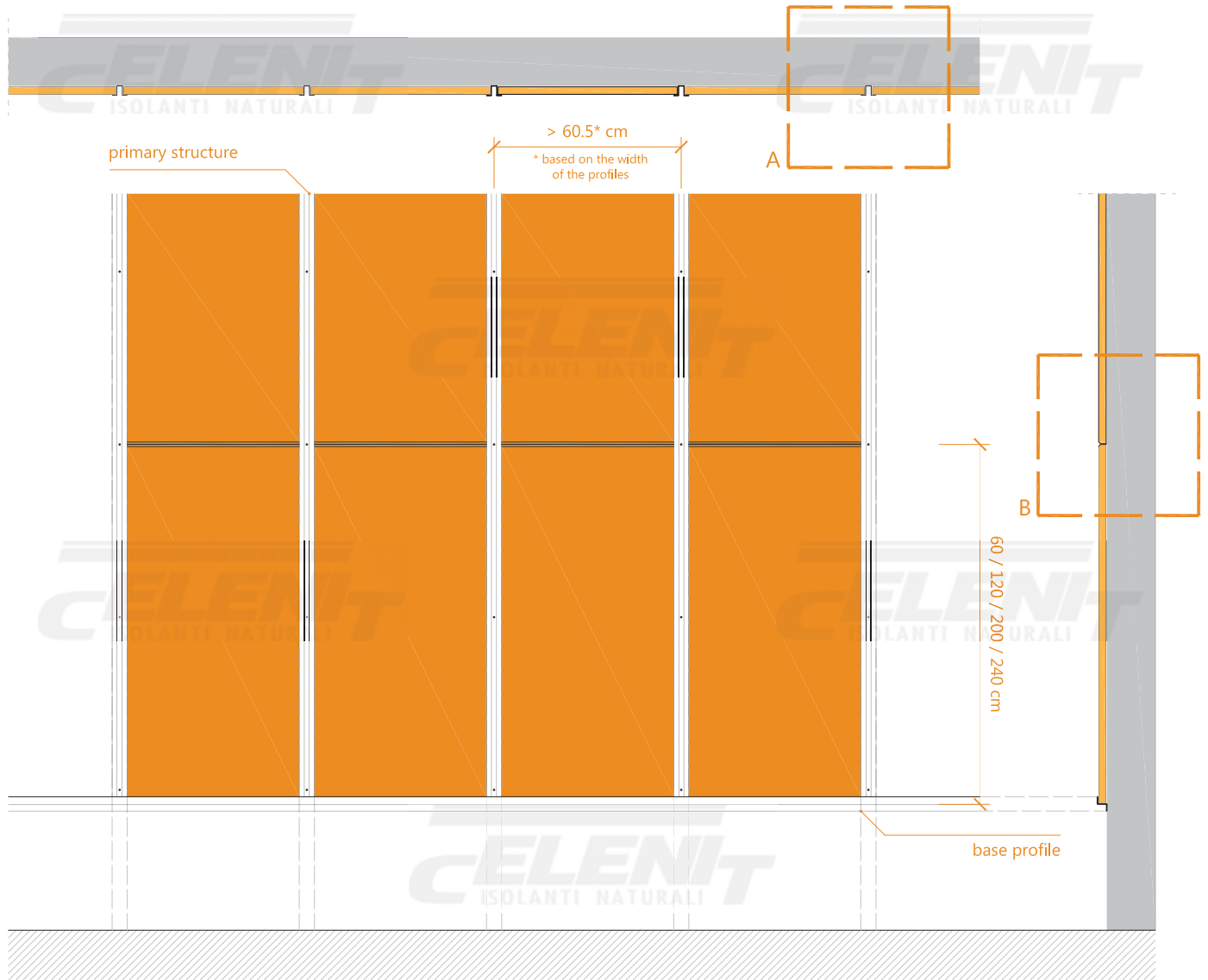
	PANEL	THICKNESS [mm]	WEIGHT [kg]	EDGE		PANEL SIZE [mm]	STRUCTURE DISTANCES [mm]
CELENIT NB		25	11.5			2400x600	> 600*
		35	14			2000x600	
		50	18	D	SC	1200x600	
						600x600	
CELENIT AB		25	12			2400x600	> 600*
		35	15			2000x600	
		50	21	D	SC	1200x600	
						600x600	
CELENIT ABE		25	13			2400x600	> 600*
		35	16	D	SC	2000x600	
						1200x600	
						600x600	

**D:** square edges; **SC:** chamfered edges on short sides

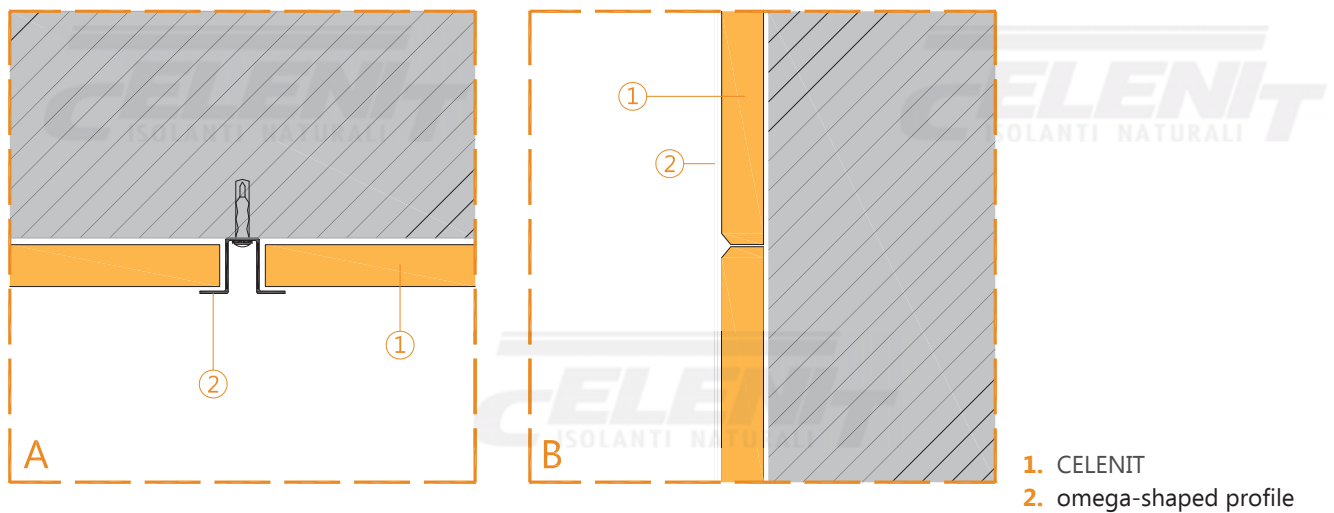
\* based on the width of the profiles

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STRUCTURE SCHEME.



DETAIL



- 1. CELENIT
- 2. omega-shaped profile

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### STORAGE AND HANDLING OF PANELS

Panels should be transported and laid on a flat surface in a clean, dry place, protected from direct exposure to humidity. Pallets in the work site should be handled with care. Shocks at the corners of packages can cause damage to the panels. Celenit panels are dimensionally stable (UNI EN 13168), however, they should only be installed when the place is dry, ie. after all operations that cause humidity in the room (cleaning, installation of flooring) and when door and window frames have been mounted and closed. Before installation, it is important to leave Celenit panels in the room for a while, so that they can adapt to the room's temperature and humidity levels. It is also important to protect them from excessive humidity, heat sources and dust. If stored outside, the panels should be kept off the ground and covered with a tarpaulin. Panels should be stored outdoors only on a short-time basis.

When installing 60x60 cm panels, it is important that wood fibers are parallel and run in one direction to ensure uniform appearance of the wall covering.

All metal profiles, with hanging and fixing accessories, should be of a suitable type and mechanical capacity to support the entire wall covering, including insulation panels.

Celenit panels can be supplied painted with various colours, thus ensuring colour uniformity.

When used without painting, their natural ivory colour is emphasized. Since the colour is natural, there may be slight variations in shade which diminish over time.

### INSTALLATION

- Mark the position of the omega-shaped profiles, calculating the centre distance based on the width of the profiles, the width of the panels chosen and the space necessary for their insertion (internal distance between the profiles at least 60.5 cm).
- Tighten the omega-shaped profiles temporarily with a fixture suitable for support. The maximum distance between the screws must be 50 cm.
- Move one omega-shaped profile aside slightly and slide the panels between the two profiles. Slide the other panels in one after the other, fitting them together perfectly.
- In the case of straight-edged panels, insert intermediate T-shaped plates placed perpendicularly to the omega-shaped structure.
- After placing the panels in position, complete fastening by tightening all the omega-shaped profile screws.

To achieve the optimal aesthetic effect, panels with staggered joints are recommended. Panels can be supplied pre-painted in various colours on request.

Celenit P2 panels can be used for greater thermal insulation of walls.



These instructions are for information purposes. They cannot replace architectural and structural designs and analyses of the buildings in which the panels will be installed. The application is to be carried out in a workmanlike manner by a competent executing company. In particular, since Celenit S.p.A. cannot control the installation procedure carried out, it shall not be responsible for the failure to obtain the results shown.

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REFERENCES

