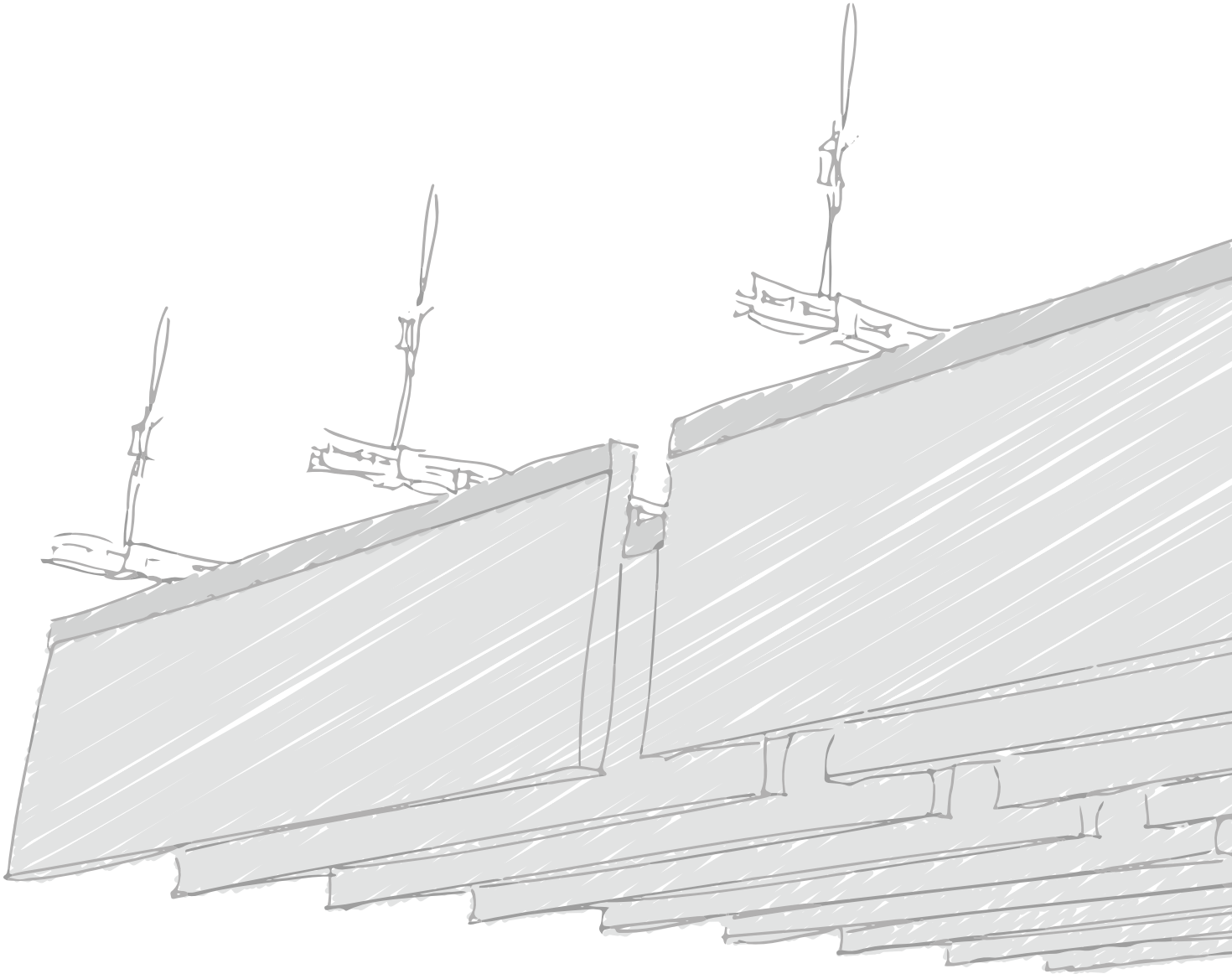




BAFFLE BAFFLE SMART





ZAMET CENTER Rijeka, HR
design: 3LHD Architects | photo: Damir Fabijanić Photography

Item specifications

Sound-absorbing element, CELENIT model ACOUSTIC BAFFLE SMART ..., vertically suspended, composed of one no painted CELENIT wood wool panel, fixed with screw to a post-painted galvanized steel profile - dim. 1200 x ... x 25 mm. Material properties: thermal and acoustic insulation, eco-friendly and sound absorbing boards - CELENIT ... product range, CELENIT ... item No. ... - made of mineralized ... fir wood wool bound with white Portland cement, it complies with EN 13168 and EN 13964 standards; dim. 1200 x ... mm; th. 25 mm; texture ...; straight edges; weight: ... kg/m²; λ_D: ... W/mK; R_D: ... m²K/W; compressive stress σ₁₀: ≥ ... kPa; water vapour transmission μ: 5; reaction to fire: Euroclass B-s1, d0 or A2-s1, d0 (EN 13501-1 standard); sound absorption: α_w ... / NRC ...;

durability: class C; light reflection: 50.7 o 74.0% (painted white 05/15); release of formaldehyde: class E1; it does not contain asbestos. Wood wool boards must be certified by ANAB-ICEA and natureplus for eco-compatibility of materials and manufacturing process, PEFC™ or FSC® for the sustainability of wood raw material, ICEA for the content of recycled material and for the attestation of LEED credits, EPD for the environmental statement.

Texture



Extra-thin texture 1 mm

CELENIT ABE - CELENIT ABE/A2

The boards are supplied in natural version without paint. The boards can be painted on site with an airless spraying device. For more information about the painting on site see the colour chart "Colors" available in the download area of the website www.celenit.com.

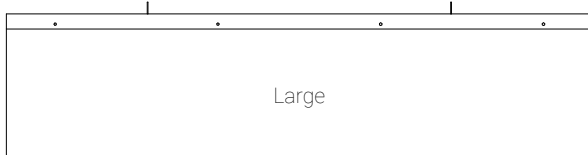
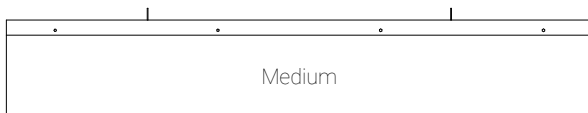


Thin texture 2 mm

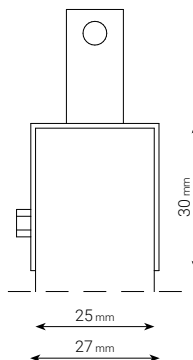
CELENIT AB - CELENIT AB/A2

Composition

BAFFLE SMART consists of one **no painted** CELENIT wood wool panel, thickness 25 mm, fixed with screw to a post-painted galvanized steel 10/10 mm profile, anchored to the suspension system with two perforated brackets. Available in three sizes.



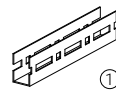
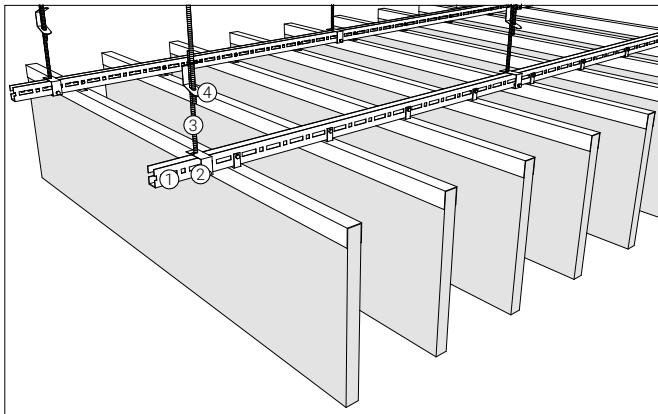
Technical features of the element				
Size	Nominal dimensions [mm]	Overall dimensions [mm]	Weight [kg/pcs]	
			CELENIT AB CELENIT ABE	CELENIT AB/A2 CELENIT ABE/A2
S Small	1200x150 thickness 25	1200x151 thickness 25	3.01	3.82
M Medium	1200x200 thickness 25	1200x201 thickness 25	3.70	4.78
L Large	1200x300 thickness 25	1200x301 thickness 25	5.08	6.70



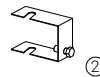
Suspension systems

Modular mounting kit

BAFFLE SMART mounting kit allows you to fasten the elements quickly and easily. The U-profile holes allow you to install BAFFLE SMART with a minimum spacing of 50 mm or multiples of 50 mm.



Galvanized steel and post-painted U-profile
Dimensions 20x30 mm, length 4000 mm
Thickness 15/10
Spacing between profiles 600 mm



Galvanized steel and post-painted U-bracket
for fixings of the threaded bar



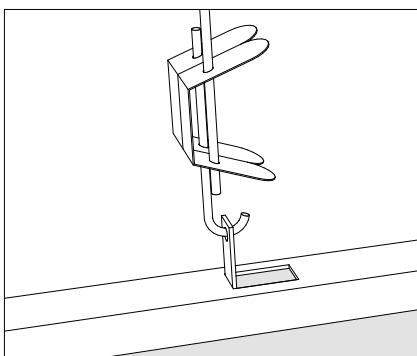
Threaded bar
Ø 6 mm



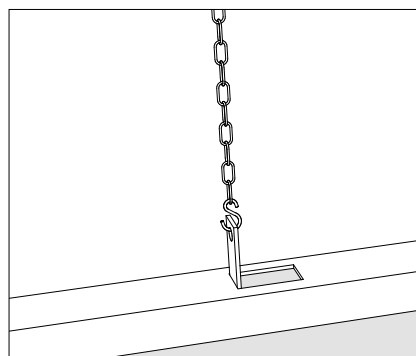
Spring for threaded bar connection

Baffles suspended individually

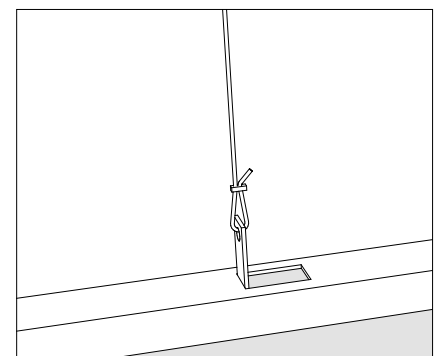
As an alternative of modular mounting kit, the designer can choose to install the baffles individually. The suspension systems selected are fastened to the two perforated brackets on the upper part of the frame.



SUSPENSION WITH HANGER



SUSPENSION WITH CHAIN



SUSPENSION WITH WIRE

The suspension systems are given here as an example. You will have to verify the suitability of the suspension and anchoring system chosen based on the weight of the elements and the type of horizontal support. CELENIT S.p.A. does not assume responsibility for the choice of the type of suspension and anchoring to use.

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.

General installation instructions

BAFFLE SMART is delivered in two separate packages: wood wool boards on pallets; metallic frames on packagings. The element assembly will be done on site.

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.

BAFFLE SMART assembly

- Insert the frame on the panel. Drill the panel with a drill where the holes of the structure are located.
- Fix the frame to the panel with 4 threaded screws and locking nuts.

Mounting kit

- The fixing scheme must be chosen according to the spacing between baffles. Fix the threaded bars to the ceiling with suitable anchors, sized according to the weight of the baffle.
- Install the support structure: U-profile every 600 mm, U-bracket and threaded bars connected with springs for threaded bars (see page 4).
- Fix BAFFLE SMART to U-profile with two screws and locking nuts according to the fixing scheme chosen.

The U-profile holes allow you to install BAFFLE SMART with a minimum spacing of 50 mm or multiples of 50 mm. Carefully design the fixing scheme of the anchors suitable to bear the overall weight of the system.

Alternatives suspension systems

- Fix the suspension elements to the ceiling with suitable anchors, sized according to the weight of the baffle.
- Hook the suspension systems to the two perforated brackets on the upper part of the frame.

Pay particular attention when handling the panels in the installation site, above all if painted. Clean equipment and gloves are required to carry out all work on the panels; therefore, carefully follow the instructions on handling the panels by consulting the sheet "Storage, use and maintenance" available on the website www.celenit.com.

Upon completing frame assembly, carry out all the final post-installation operations, described on the sheet "Storage, use and maintenance".