

# NOVASONAR ZB 60 PN

Invisible sound system for cement boards in damp rooms



Building material and the sound system from a single production source



Available in all usual cement boards

## Description / Technical data

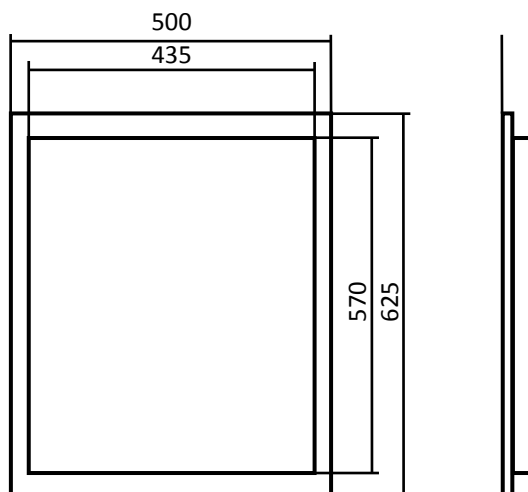
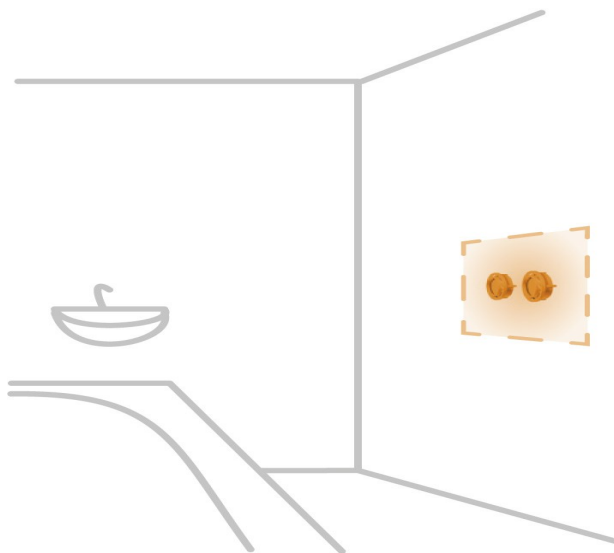
Flat-panel loudspeaker on the principle of the bending wave transducer with a flat panel membrane, which is brought to vibration by electrical exciters mounted to the back and with an integrated frequency crossover/filter.

The loudspeaker comprises a conventional cement building board with a factory-integrated flat-panel loudspeaker. The board is stripped down to a minimum thickness on the back in the area of the loudspeaker membrane by means of milling and thus causes sound-neutrality.

Materials and assembly do not differ from other construction materials used and as a result, there are no „alien bodies“ in the drywall.

Factory integration of the flat-panel loudspeaker in the building material precludes any errors in installation and guarantees continuously assembly and processing technology in drywall work without material change, therefore ensuring smooth progress on the building site.

The surface can be coated with all conventional materials, such as, for example, paint, plaster techniques, wallpapers, etc.



Dimensions (standard):	500 mm x 625 mm
Building material:	Cement board
Frequency response:	80 Hz – 20000 Hz
EQ:	PN-integrated crossover
Dispersion:	180° x 180°
Power handling:	60 W / 4 Ω
Optional:	70/100 V
Sensitivity:	80 dB (1 w / 1 m)
Max. SPL:	98 dB (1 m)

Manufacturer: ML-Audio und Carbons GmbH  
Model: Novasonar ZB 60 PN

All products subject to technical modification without prior notice. Errors excepted.