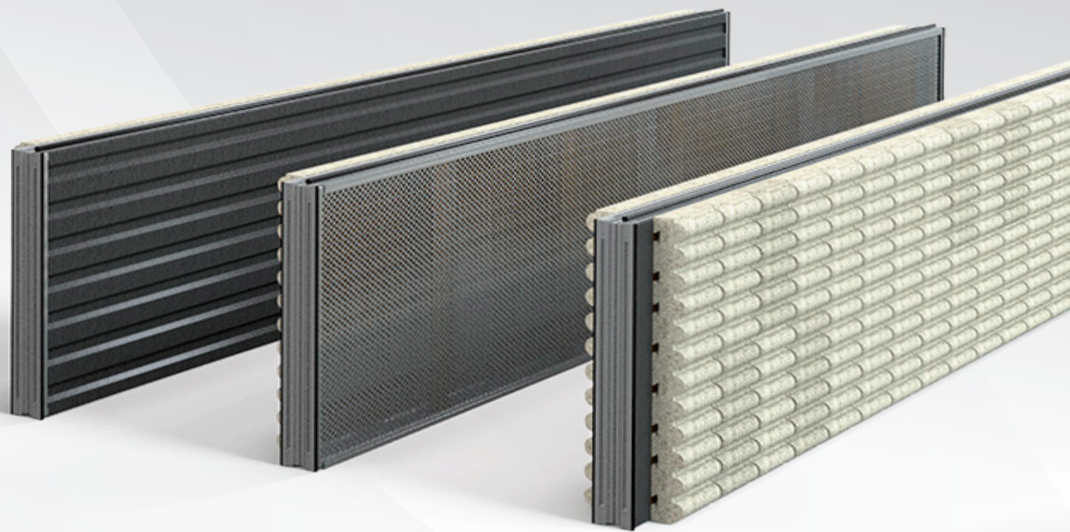


AHB PANEL SERIES



PHONOBLOC®
NOISE BARRIERS

Noise protection without compromises

AHB PANEL SERIES **ALUMINIUM WOOD CONCRETE** **PANELS**

PHONOBLOC.COM



PHONOBLOC®
NOISE BARRIERS

GETTING NOISE UNDER CONTROL

Developed by PHONOBLOC® to provide top acoustic performance and ultimate durability.



UNLIMITED DESIGN OPTIONS DIVERSE WOOD CONCRETE ABSORBERS

Choose from a huge range of absorber types with individual colours and shapes.

The AHB Panel Series combines lightweight design with best noise protection. Its sophisticated frame structure encloses a carrier plate which allows for individual cladding of the panel with all available types of wood concrete absorbers. Choose from the whole range of PHONOBLOC® HB Absorbers to create your individual architectural layout.

The only limit is
your creativity.

**Combine different
colours, shapes
and panel types.**



Highly absorbent up to A5
according to EN 1793 & EN 16272.

**PHONOBLOC® HB Absorbers
are certified for road and rail.**

PHONOBLOC®

FULLY CE-CERTIFIED AND TESTED

- ▶ According to EN 14388
- ▶ Up to 20 dB reduction according to EN 1793-1 & EN 16272-1
- ▶ Static calculation according to the EUROCODE

FULLY MODULAR

- ▶ Combinable with many common acoustic panel types

APPLICATIONS

- ▶ Single sided highly absorbent
- ▶ Double sided highly absorbent

DESIGN

- ▶ Different solid-coloured options
- ▶ Different RAL colour paint coatings
- ▶ Different surface shape types
- ▶ Individual patterns
- ▶ Metallic or wood concrete rear cover

ONE FITS ALL

- ▶ Suitable for steel columns HE 160 – HE 300



ROAD APPLICATION



RAIL APPLICATION

PROPERTIES

Absorption
EN 1793-1 / EN 16272-1
up to 20 dB

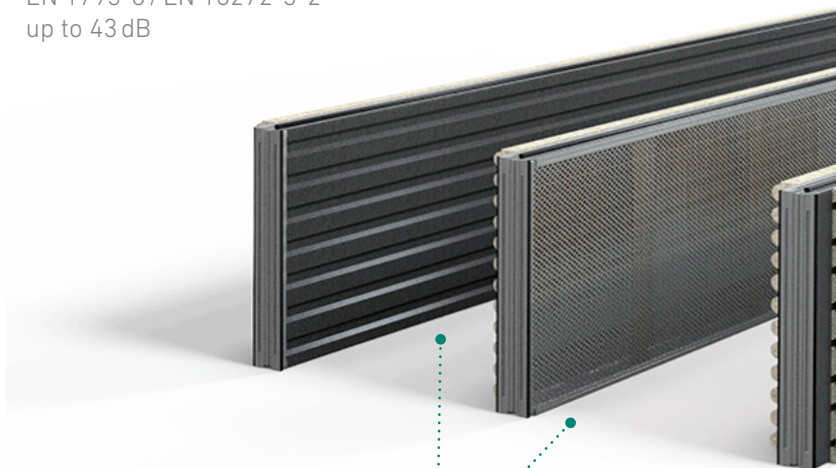
Absorption, in-situ
EN 1793-5 / EN 16272-3-2
up to 8 dB

Sound insulation
EN 1793-2 / EN 16272-2
up to 35 dB

Sound insulation, in-situ
EN 1793-6 / EN 16272-3-2
up to 43 dB

Dimensions
3.96 / 4.96 × 1.00 m
3.96 / 4.96 × 0.50 m
Fitting elements

Weight
80 to 150 kg / m²



INDIVIDUAL BACK SIDES

Choose from different metallic or wood concrete back side options

AHB PANEL SERIES PRODUCT RANGE

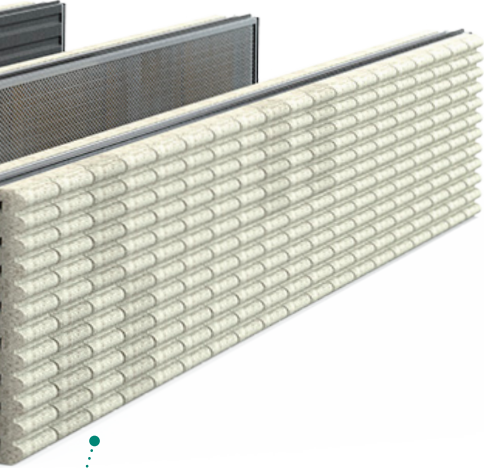
Type	Length	Acoustic absorption
Single sided highly absorbent	4 m	up to 20 dB
	5 m	up to 20 dB
Double sided highly absorbent	4 m	up to 20 dB
	5 m	up to 20 dB



PHONOBLOC®
NOISE BARRIERS

AHB PANEL SERIES **CERTIFIED FOR 50 YEARS LIFETIME –** **ACCORDING TO EN 14389-1 / 2**

The AHB Panel Series and all its components have been designed and tested to withstand the roughest climatic conditions for up to 50 years. The acoustic effectiveness remains and the structural capability does not change at all – proven and certified by complete product testing according to EN 14389-1 / 2.



DIFFERENT APPLICATIONS, ONE SOLUTION

Suitable for all road and rail applications

REDUCED CONSTRUCTION TIME

Shortest delivery time resulting from modern prefabrication and lean production methods

ECONOMIC & FAST TRANSPORTATION

Up to 300m² / truck for efficient transportation & quick delivery

SUPERFAST INSTALLATION

Quick and easy through innovative lifting equipment

DESIGN & ARCHITECTURE

Unlimited variety of architectural possibilities with excellent acoustic performance

RANGE

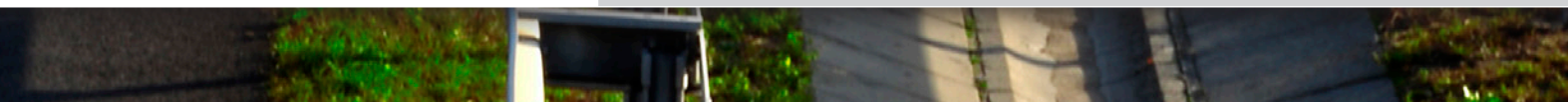


PROJECT MANAGERS love super fast installations

To complement the AHB system, a special mounting device was developed.

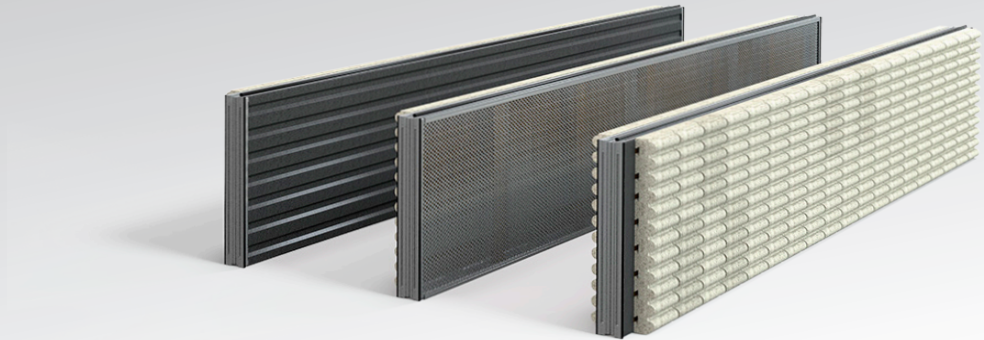
The PHONOBLOC® lifting gear ensures fast installation time without damaging gaskets or the panel itself.

The statically tested mounting system is also suitable for a safe, easy and quick disassembly.



PHONOBLOC® AHB PANEL SERIES FOR ROAD AND RAIL

The high-performance acoustic barrier
with ultimate durability and strength.



KIRCHDORFER
ROAD & TRAFFIC

DELTABLOC®

DELTABLOC INTERNATIONAL GMBH

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HOME OF ROAD SAFETY