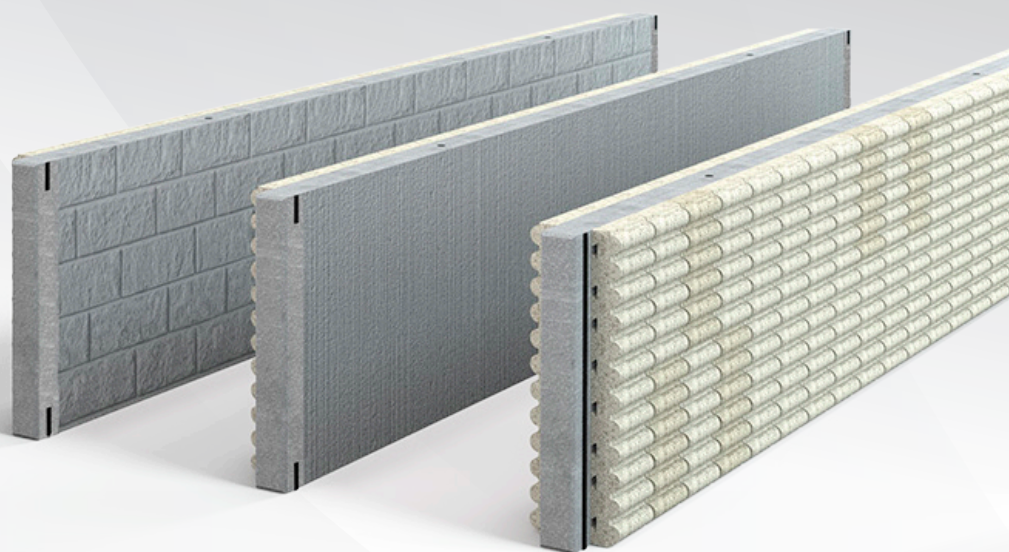


BHB PANEL SERIES



PHONOBLOC®
NOISE BARRIERS

Noise protection without compromises

BHB PANEL SERIES **CONCRETE CORE PANELS**



GETTING NOISE UNDER CONTROL

Developed by PHONOBLOC® for the highest expectations and ultimate durability.

CONCRETE CORE PANELS PERFECT COMBINATION OF NOISE PROTECTION AND SUSTAINABILITY

PHONOBLOC® BHB panels offer architects and acousticians the possibility to combine noise protection and sustainability.

PHONOBLOC® BHB panels enable architects and acousticians to implement noise protection measures that meet the highest ecological standards. Through regional production and short transport routes, we achieve an excellent CO₂ balance. This is noise protection according to the latest standards – highest quality and reduction of the ecological footprint. PHONOBLOC® BHB panels for a sustainable future.

Fully certified in accordance with the following standards:

EN 14388
EN 14389



PHONOBLOC® project train station Neumarkt am Wallersee, AT



PHONOBLOC® meets the requirements of the "natureplus-Gütesiegel".

Europe-wide seal of quality for climate protection & sustainability in the construction sector.

PHONOBLOC®

FULLY CE-CERTIFIED AND TESTED

- ▶ According to EN 14388
- ▶ Up to 45 dB reduction according to EN 1793-2 (6) & EN 16272-2
- ▶ Static calculation according to the Eurocode
- ▶ Proven service life of more than 50 years according to EN 14389-1 / 2

FULLY MODULAR

- ▶ Compatible with many common acoustic panel types

APPLICATION

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

DESIGN

- ▶ Various options fully coloured
- ▶ Various structures available (brush finish, matrix and absorber)
- ▶ Column cladding possible on one and both sides

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

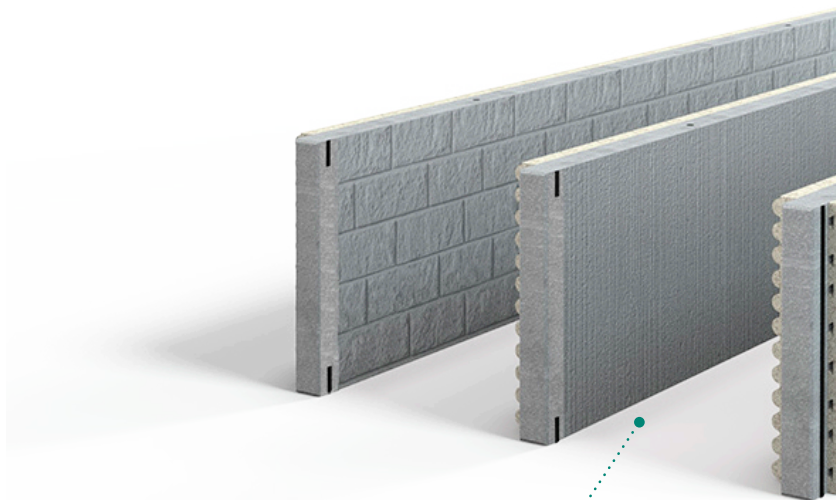
Sound insulation
(EN 1793-2 / EN 16272-2)
up to 45 dB

Sound insulation, in-situ
(EN 1793-6 / EN 16272-3-2)
up to 45 dB

Dimensions
4.96 / 5.96 × 1.00 m
4.96 / 5.96 × 1.50 m
Fitting elements

Weight
from 390 kg / m²

With new vertical sealing system Hadagli for highest in-situ sound insulation



INDIVIDUAL BACK SIDE

Horizontal production: Brush finish
Vertical production: Absorber on both sides or matrix back side

BHB PANEL SERIES PRODUCT RANGE

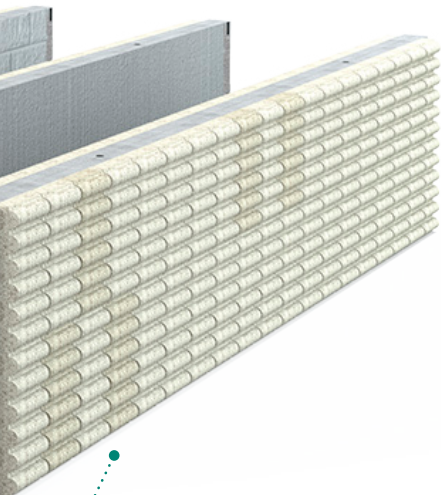
Type	Length	Acoustic absorption
BHB-E Single sided highly absorbent	up to 6 m	up to 20 dB
BHB-B Double sided highly absorbent	up to 6 m	up to 20 dB



BHB PANEL SERIES

CERTIFIED FOR MORE THAN 50 YEARS OF SERVICE LIFE ACCORDING TO EN 14389-1 / 2

The BHB Panel Series and all its components have been designed and tested to withstand the toughest climatic conditions for more than 50 years. The acoustic performance remains and the structural capability barely changes – proven and certified by complete product testing according to EN 14389-1 / 2.



REGIONAL VALUE

Production close to the construction site

SPECIALLY DEVELOPED BHB MOULDS

Vertical assembly possible due to innovative moulding technology

LOWEST RISK OF VANDALISM

Due to size and weight

DESIGN & ARCHITECTURE

Unlimited variety of architectural possibilities with excellent acoustic performance

ARCHITECTS AND PLANNERS love the BHB Panel Series

Best experience and excellent acoustic performance speak for the BHB concrete core panels.

Long lifetime and unlimited variety of architectural possibilities are two of the biggest advantages.

The result is convincing — PHONOBLOC® BHB panels are environmentally friendly, durable and provide excellent acoustic qualities.



RANGE

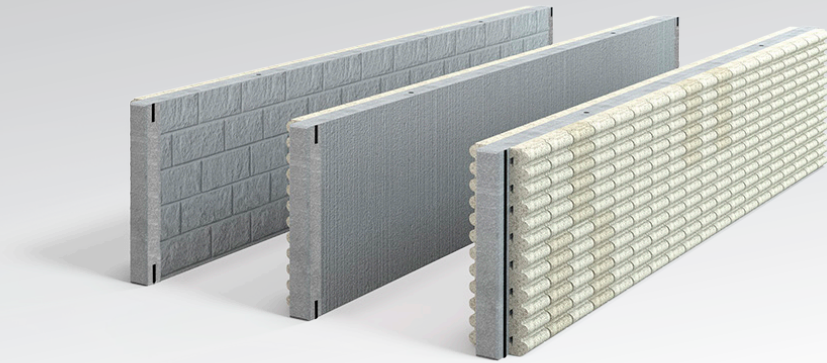
Sound insulation

up to 45 dB

up to 45 dB

THE BHB PANEL SERIES FOR ROAD AND RAIL

The efficient noise protection panels
providing high durability and strength.



KIRCHDORFER
ROAD & TRAFFIC

DELTABLOC®
HOME OF ROAD SAFETY

DELTABLOC INTERNATIONAL GMBH

Kirchdorfer Platz 2
2752 Wöllersdorf
Austria
office@phonobloc.com
+43 57715 470 0
deltabloc.com