

HB ABSORBER SERIES



PHONOBLOC®
NOISE BARRIERS

Noise protection without compromises

HB ABSORBER SERIES **WOOD CONCRETE ABSORBER**



**GETTING NOISE
UNDER CONTROL**

Without making compromises: Wood concrete absorbers for sustainable noise protection.

HB ABSORBER SERIES TESTED IN THE LABORATORY & IN-SITU

The certification proves the absorbers' acoustic qualities for more than 100 years.

Inspection of the PHONOBLOC® wood concrete absorbers in accordance with EN 1793-5 and EN 14389 1/2 proved that even after more than 100 simulated years of ageing there is no loss of the sound absorption. Furthermore neither the impact of frost or de-icing salt nor other ageing factors lead to significant deterioration of the structural qualities. This has been tested and verified.

Fully certified in accordance with the following standards:

EN 14388
EN 14389



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 and EN 14389

DESIGN

- ▶ Various colours
- ▶ Various surface structures
- ▶ Completely solid coloured
- ▶ Surface coating in RAL possible on site



**SINGLE SIDED
HIGHLY ABSORBENT**



**DOUBLE SIDED
HIGHLY ABSORBENT**



**COMPOSITION
APPLICATION**



**CURVE
APPLICATION**



WALL CLADDING

PROPERTIES

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

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

Measurements
50 × 25 cm

Weight
40 to 90 kg / m²

Absorber thickness
from 5 cm to 12 cm
depending on type



HB ABSORBER SERIES PRODUCT

Index	Type	Absorption DL _α road	Absorption DL _α rail
A	HB 10 / 3,5 WAVEline	9 dB (9 dB)	10 dB (11 dB)
B	HB 10 / 5 WAVEline	15 dB (15 dB)	20 dB (20 dB)
C	HB 12 CONEline	20 dB (20 dB)	20 dB (20 dB)
D	HB 12 TRAPline	15 dB (20 dB)	15 dB (20 dB)
E	HB 5 FLATline	6 dB (6 dB)	6 dB (6 dB)
F	HB 9 FLATline	6 dB (6 dB)	7 dB (7 dB)
G	HB 12 FLATline	9 dB (10 dB)	10 dB (10 dB)

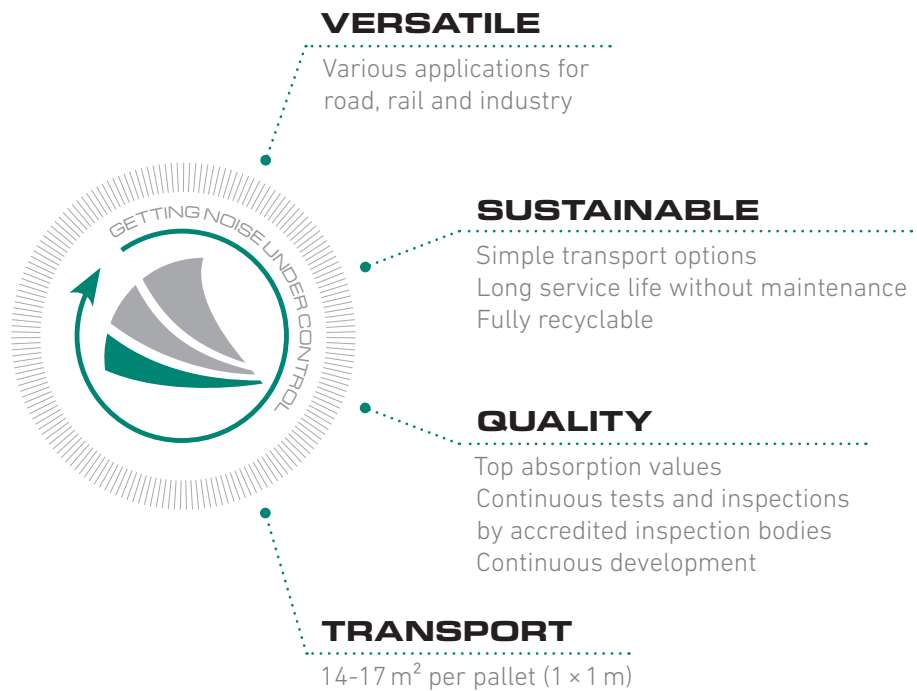
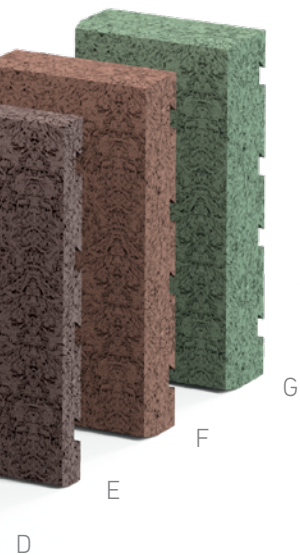
The value in brackets is inclusive of support cladding

HB ABSORBER SERIES

MAINTENANCE-FREE & SELF-CLEANING FOR VERSATILE APPLICATIONS

Grey concrete has been a thing of the past for a long time!

The individual combination of multiple standard structures gives landscape architects a variety of design options. PHONOBLOC® provides designers with a broad range of colours to choose from. The solid coloured absorber stones are available in numerous natural colours, thus supporting harmonious design with nuanced colour gradients.



PERFORMANCE RANGE

Reflection DL _{Ri} In-situ road	Reflection DL _{Ri} In-situ rail	Absorber thickness
5 dB	6 dB	10 cm
6 dB	6 dB	10 cm
6 dB	6 dB	12 cm
7 dB	8 dB	12 cm
-	-	5 cm
-	-	9 cm
3 dB	3 dB	12 cm

IF YOU LOVE THE ENVIRONMENT, you'll love PHONOBLOC® wood concrete

PHONOBLOC® HB Absorbers adhere to the concept of economic sustainability.

The wood shavings come from selected partners in the regional wood industry and undergo a thorough quality control.

The result is simple — PHONOBLOC® HB Absorbers are environmentally friendly, durable and provide excellent acoustic qualities.



HB ABSORBER SERIES FOR ROAD, RAIL & INDUSTRY

The efficient noise protection absorber
for diverse usage areas.



KIRCHDORFER
ROAD & TRAFFIC

DELTABLOC®
HOME OF ROAD SAFETY

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