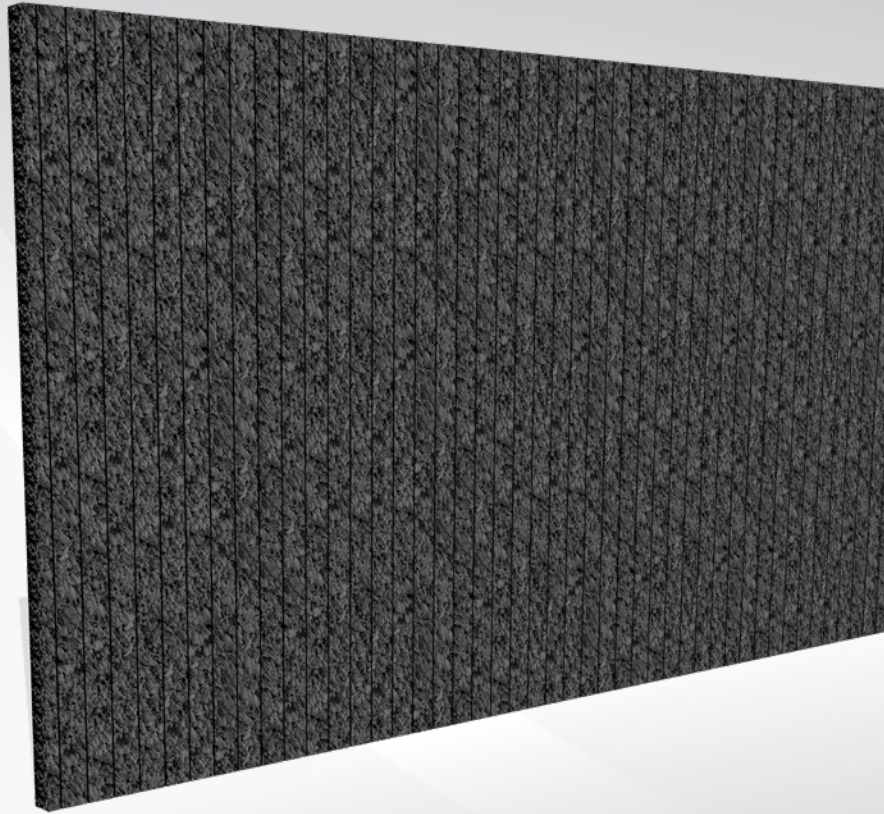


WHISPER® ABSORBER



PHONOBLOC®
NOISE BARRIERS

Noise protection without compromise

WHISPER® ABSORBER
LARGE-FORMAT LIGHTWEIGHT
ABSORBER PANELS

PHONOBLOC®

FULLY CE-CERTIFIED AND TESTED

- ▶ In accordance with EN 14388 & EN 14389
- ▶ Extremely good absorption and reflection properties

APPLICATION

- ▶ Used externally as highly absorbent cladding for noise barriers and wall cladding
- ▶ Temporary application for any kind of construction noise, e.g. for mounting on site fences

DESIGN

- ▶ Whisper® polyethylene foam with a grooved surface structure
- ▶ Optimum UV resistance (category A)
- ▶ 100% recyclable
- ▶ Colour: black



HIGHLY ABSORBENT

PROPERTIES

WHISPER® WO40-A3

highly absorbent

Element width	Element height	Element lengths
4 cm	120 cm	200 cm / 100 cm

Whisper® absorber panels are made of closed cell polyethylene foam and have a grooved surface structure. Light in weight with extremely good sound absorption coefficients, these highly absorbent panels speak for themselves. The cells undergo a finishing process whereby they are opened so that they can absorb sound. The material is fully recyclable and, after being used as noise protection panels, it can be returned to the recycling process.

A construction site in the neighbourhood can have a huge impact on the quality of life. For this reason, protecting local residents from the intolerable noise of construction machinery is of paramount importance. Thanks to their flexibility, Whisper® absorber panels can be easily attached with cable ties to various supporting materials such as temporary site fencing, providing an effective way of protecting local residents from construction noise, dirt and dust.

ACOUSTIC PROPERTIES

Type	Performance
Sound absorption, road traffic noise, DL_{α} acc. to EN 1793-1	9 dB without column cover 9 dB with column cover
Sound absorption, rail noise, DL_{α} acc. to EN 16272-1	11 dB without column cover 12 dB with column cover
Sound reflection DL_{RI} in-situ, road traffic noise acc. to EN 1793-5	5 dB
Sound reflection DL_{RI} in-situ, rail noise acc. to EN 16272-3-2	6 dB

WHISPER® ABSORBER WO40-A3

LARGE-FORMAT ABSORBER PANELS

Whisper® absorber panels are suitable for a wide range of applications. Extremely flexible to use, they can be bonded and/or screwed onto all types of noise barriers or wall cladding, and also easily attached around a column or on uneven surface, thereby absorbing noise. When using Whisper® absorber panels in combination with e.g. plywood panels (type AW 100, 15 mm) the transmission of sound is further reduced by more than 25 dB.

LIGHTWEIGHT

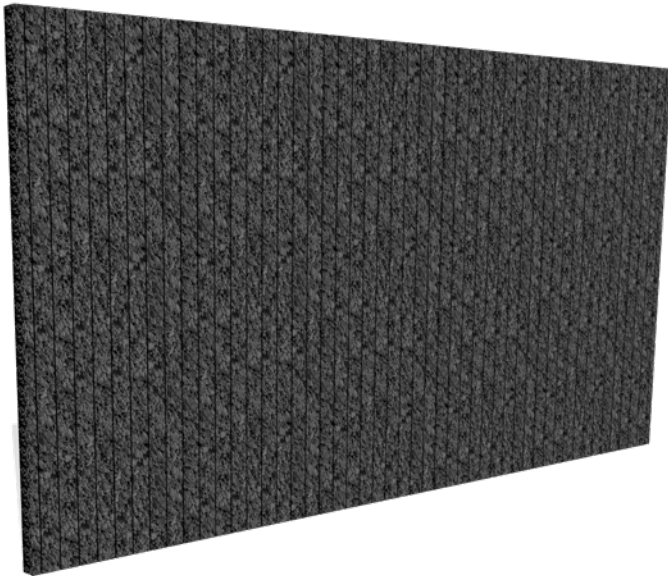
The extremely light weight of approx. 1.0 kg / m² simplifies transport, assembly and any kind of handling on site.

EASY TO ASSEMBLE

Whisper® absorber panels are easy to attach (with adhesive and/or bolts). A Stanley knife can be used to cut the panels to the correct format on site.

LONG SERVICE LIFE

The large-format absorber panels retain their shape extremely well (do not sag in damp conditions or as a result of ageing) and offer long-term (acoustic and mechanical) performance in accordance with EN 14389-1/2 for over 50 years



Application as facing shell
e.g. for renovation of existing noise barriers



Application
attached around a column





WHISPER® W040-A3



Attached to a construction site fence
to protect residents from
noise, dirt and dust.



KIRCHDORFER
ROAD & TRAFFIC

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