KOHLHAUER® NOISE BARRIERS – QUALITY OF LIFE
KOHLHAUER ALUMNA® - MODERN INDUSTRIAL DESIGN

ALUMINIUM
High-quality aluminium elements
One ore both sides absorbent
Unfading appearance
KOHLHAUER ALUMNA® - MODERN INDUSTRIAL DESIGN
HIGH-QUALITY ALUMINIUM ELEMENTS

KOHLHAUER® noise barriers are a perfect combination of sophisticated technology, environmentally friendly design and attractive appearance. KOHLHAUER ALUMNA® combines industrial design with high quality static and acoustic characteristics.

KOHLHAUER ALUMNA® elements provide the industrial appearance of a metal façade. They are used wherever smooth technical metal design is called for.

The elements are made of structural upper and lower chords of extruded aluminium. The front and rear wall panels of high-quality aluminium alloy are hooked into the chords and riveted to the side caps. The upper and lower chords act as a tongue and groove system to prevent noise being transmitted. The side caps are also extruded elements with integrated seals on both sides.

The benefits to you

- Stable form, seawater-resistant
- Upper and lower chords make for stability
- Range of colour coatings available
- Integrated seals on both sides
- Easy to install
- Excellent sound insulation and absorption
- Meets requirements of EN-1793, EN-1794 and ZTV-Law 06
- Suitable with KOHLHAUER SCORSA® FRAME systems
KOHLHAUER ALUMNA® - MODERN INDUSTRIAL DESIGN
HIGH-QUALITY ALUMINIUM ELEMENTS

Upper chords of extruded elements tongue and groove design
Perforated aluminium front panel
Compressed mineral wool absorber, fleece-lined
Closed rear aluminium panel (stucco design)
Lower chords of extruded elements tongue and groove design

STANDARD DIMENSIONS

4960 x 500 mm
3960 x 500 mm
2960 x 500 mm
2460 x 500 mm
1960 x 500 mm

(Special sizes available on request.)

Thickness: approx. 120.0 mm
Weight: approx. 19.5 kg/m²

CLASSIFICATION OF THE ACOUSTIC CHARACTERISTICS

According to EN ISO 717-1 as well as EN 1793

<table>
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<tr>
<th>ALUMNA</th>
<th>Sound insulation</th>
<th>Absorption</th>
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<tr>
<td>(one side absorbent)</td>
<td>RW (C;Cf) = 29 (-1;+5) dB, DL_a = 25 dB (Category B3)</td>
<td>DL_a = 13 dB (Category A4)</td>
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MORE KOHLHAUER® PRODUCTS

- Transparent, reflecting respectively absorbent noise barrier systems with transparency and glare shields.
- Double benefit: Noise barrier combined with sustainable power generation through solar technology.