



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

Austria · Bosnia & Herzegovina · Bulgaria · China · Czech Republic · France · Germany · Greece · Hong Kong · Italy · Korea · Latvia · Netherlands · Poland · Romania · Serbia · Spain · Sweden · Switzerland · Turkey · United Kingdom

ALUMINIUM 

High-quality aluminium elements
One ore both sides absorbent
Unfading appearance



KOHLHAUER **ALUMNA**[®] - MODERN INDUSTRIAL DESIGN

HIGH-QUALITY ALUMINIUM ELEMENTS

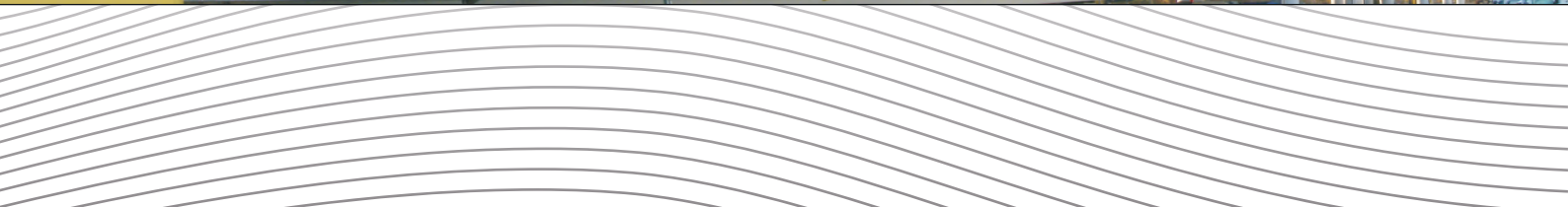
KOHLHAUER[®] noise barriers are a perfect combination of sophisticated technology, environmentally friendly design and attractive appearance. KOHLHAUER **ALUMNA**[®] combines industrial design with high quality static and acoustic characteristics.

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-Lsw 06
- Suitable with KOHLHAUER **SCORSA**[®] **FRAME** systems



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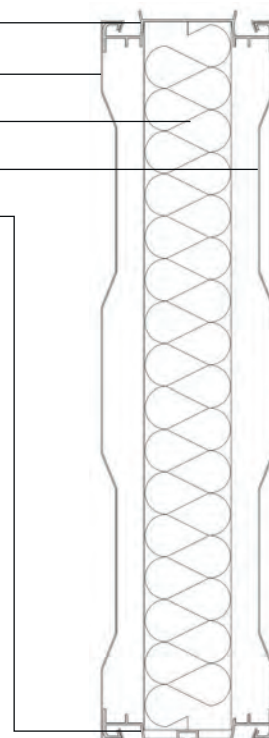
Upper chords of extruded elements tongue and groove design

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.)

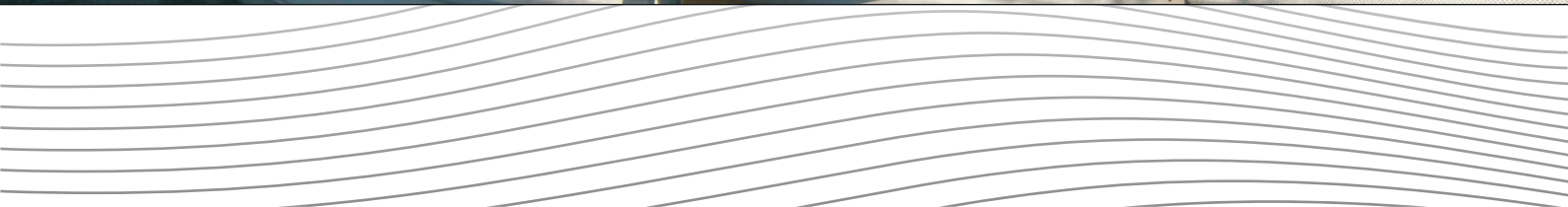
Thickness: approx. 120.0 mm

Weight: approx. 19,5 kg/m²

CLASSIFICATION OF THE ACOUSTIC CHARACTERISTICS

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

	Sound insulation	Absorption
ALUMNA (one side absorbent)	R _W (C;Ctr) = 29 (-1;-5) dB; D _{L-R} 25 dB (Category B3)	D _{L-a} = 13 dB (Category A4)





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MORE KOHLHAUER® PRODUCTS



Transparent, reflecting respectively absorbent noise barrier systems with transparency and glare shield.



The plantable noise barrier - eco-friendly, sustainable and highly functional.



Double benefit: Noise barrier combined with sustainable power generation through solar technology.

