



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**<sup>®</sup> - MODERN INDUSTRIAL DESIGN

## HIGH-QUALITY ALUMINIUM ELEMENTS

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

KOHLHAUER **ALUMNA**<sup>®</sup> 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.

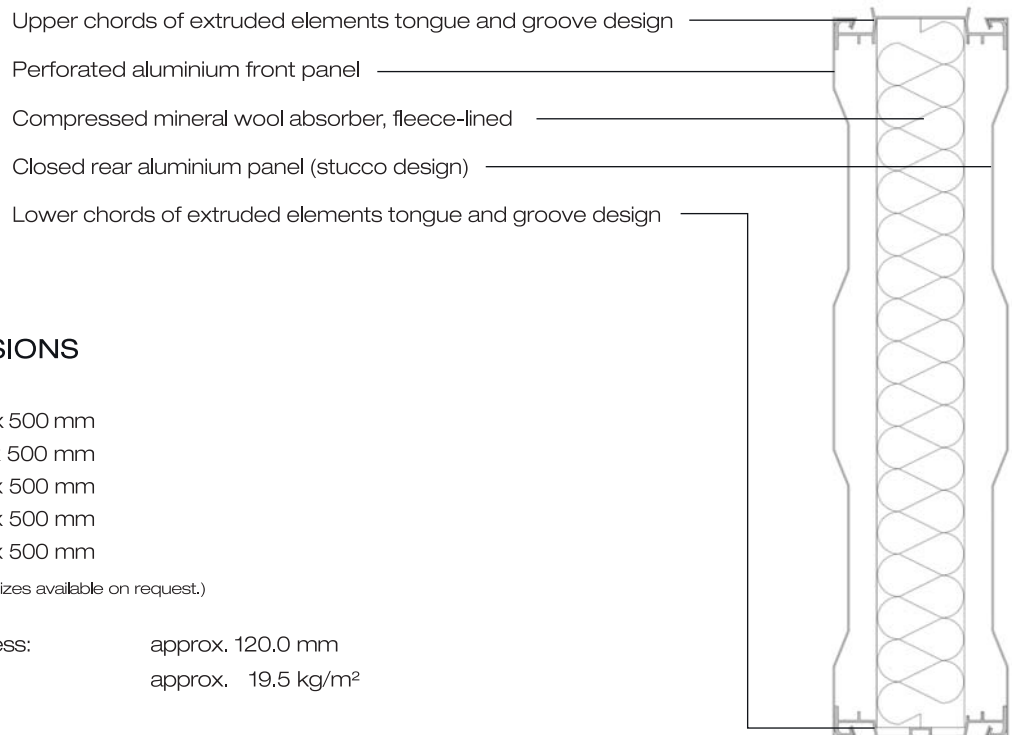
### The benefits to you

- 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**<sup>®</sup> **FRAME** systems



# KOHLHAUER **ALUMNA**<sup>®</sup> - MODERN INDUSTRIAL DESIGN

## HIGH-QUALITY ALUMINIUM ELEMENTS



### STANDARD DIMENSIONS

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

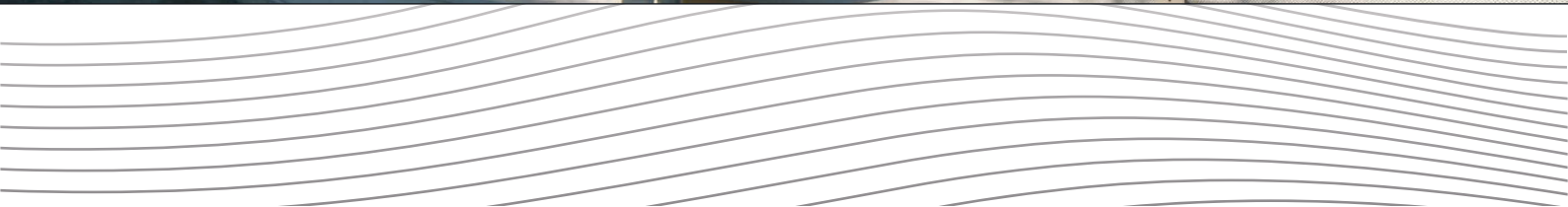
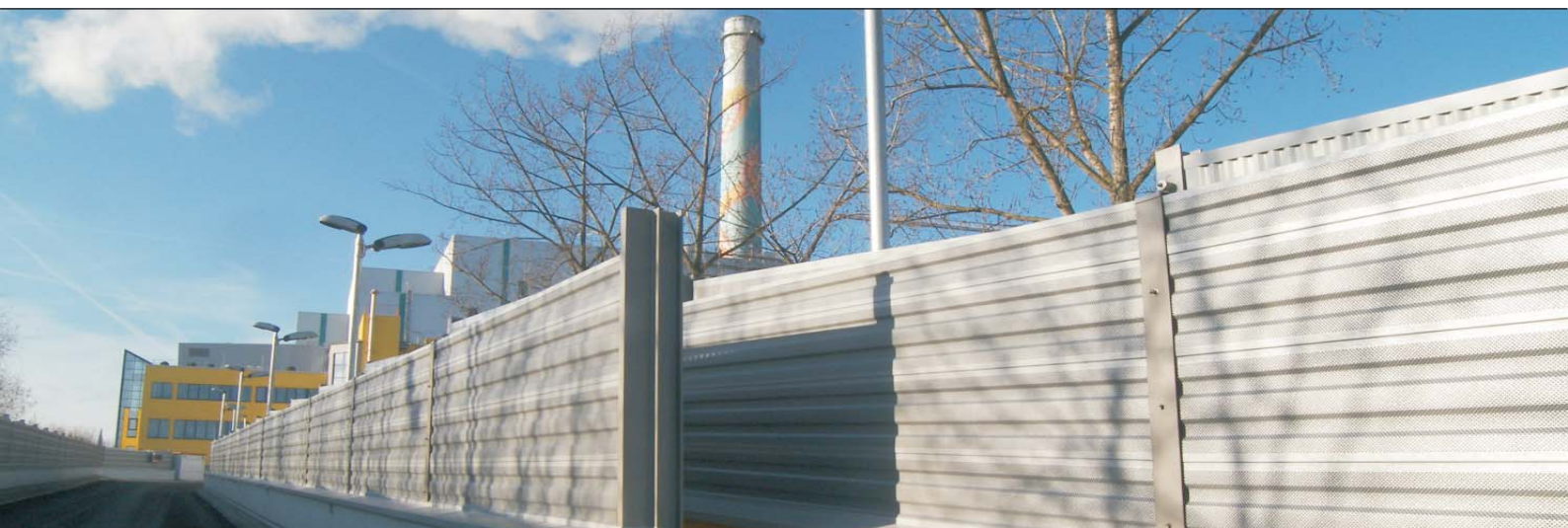
(Special sizes available on request.)

Thickness: approx. 120.0 mm  
 Weight: approx. 19,5 kg/m<sup>2</sup>

### CLASSIFICATION OF THE ACOUSTIC CHARACTERISTICS

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

	Sound insulation	Absorption
<b>ALUMNA</b> (one side absorbent)	RW (C;Ctr) = 29 (-1;-5) dB; DL <sub>R</sub> 25 dB (Category B3)	DL <sub>a</sub> = 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.

