



KOHLHAUER® NOISE BARRIERS – QUALITY OF LIFE ALUMNA® – THE MODERN CITY DESIGN

Austria · Belgium · China · Czech Republic · France · Germany · Greece · Hong Kong · Italy · Korea · Latvia · Netherlands · Poland · Romania · Russia · Slovakia · Spain · Sweden · Switzerland · United Kingdom



KOHLHAUER ALUMNA – UTMOST FUNCTIONALITY FOR RIGID NOISE PROTECTION

KOHLHAUER ALUMNA noise barriers stand for aluminium noise barrier solutions worldwide. Standard and familiar design and system components allow for an extremely easy assembly of the noise barriers. KOHLHAUER ALUMNA – the reasonable solution for any budget.

APPLICATION

KOHLHAUER ALUMNA noise barriers perfectly combine well known view with easy assembly and high technical requirements. All KOHLHAUER ALUMNA noise barriers have been tested by renowned institutes for noise insulation, sound absorptivity, wind load, frost and road salt resistance, etc.

Benefits

- CE – certified quality
- Standard panel design
- Tongue and groove interlock for easy stacking of multiple elements
- Extensive colour range for individual design
- Modular standard components for a cost efficient realization of small, medium and large-scale projects

Product specifications

- KOHLHAUER ALUMNA apart from various panel type possibilities can be offered either as both sides absorbing, either as one side absorbing, either as reflecting element.
- Excellent sound-insulating and highly absorptive performance, classified in B3 and A3-4 according to EN 1793.
- Stable elements – also for high loads
- Extremely high aging and corrosion resistance
- High UV and colour resistance of all used materials
- All used materials are completely recyclable



TECHNICAL SPECIFICATIONS

- KOHLHAUER ALUMNA is CE marked product in accordance with EN14388
- Noise insulation values depend on the panel type, group B3 according to EN 1793-2; e.g. DLR= from 25dB to 26dB
- Sound absorption values depend on the panel type, group A3-A4 according to EN 1793-1; e.g. DL α = from 11dB to 20dB
- Building width suitable for various posts
- Impact of stones, according to EN 1794-1 – fulfilled.

Reasonable modifications meeting our high quality requirements and supporting the further product development are reserved.

BASIC ELEMENTS

- The basic elements are available in height of 500mm
- Elements are available in lengths up to 5m – 6m (depending on the panel type)
- The basic elements are suitable for posts HE (A/B/ M) 140 / 160 / 180
- Elements are fixed in the pole with rubber / plastic profiles fixed on the panel
- Surface powder coated in standard RAL colour (except metallic colours)

ADVANCED ELEMENTS

- Advanced elements can be produced with any height up to 500mm
- Panels suitable for larger posts
- Anti-graffiti coating to facilitate removing graffiti from the surface
- Can be powder coated in any RAL colour according to RAL palette
- Digital printing allowing to print any image or text on the surface of the panels
- Panels can be equipped with safety ropes for additional safety on bridges
- Service door solutions
- Panels can be equipped with net for climbing plants





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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.

