



KOHLHAUER® LÄRMSCHUTZWÄNDE – QUALITY OF LIFE

KOHLHAUER SCORSA® FRAME - THE TRANSPARENT SOLUTION

Argentina · Austria · Belgium · Chile · China · France · Germany · Greece · Hong Kong · Italy · Korea · Latvia · Netherlands · Poland · Portugal · Russia · Sweden · Switzerland · Spain
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NEW <

Marketable standard sizes

Various pane material

Individual design options



KOHLHAUER **SCORSA® FRAME** - UTMOST FUNCTIONALITY FOR TRANSPARENT NOISE PROTECTION BY STANDARD FORMAT

KOHLHAUER **SCORSA® FRAME** - noise barriers stands for innovative, substantial and efficient noise protection solutions worldwide and excel with natural design. Simply put: functional walls with the best views. The sophisticated element design and advanced system components allow for an extremely easy assembly of the noise barriers. - KOHLHAUER **SCORSA® FRAME**, the reasonable solution for any budget.

APPLICATION

KOHLHAUER **SCORSA® FRAME** noise barriers perfectly combine an appealing finish with the most easy assembly and high technical requirements. The noise barriers offer a view at the environment, thus helping to avoid the well-known tunnel vision and contribute to an enhanced quality of life, while also increasing traffic safety.

Benefits

- Noise barrier without blocked views
- Stable frame profil made of coated aluminium
- Modular standard components for a cost-efficient realisation of small, medium and large-scale projects
- Available with various pane materials
- Also available with tempered surface upon request
- Optional bird protection stripes
- Extensive colour range for individual design
- CE conformity are present

Product specifications

- Excellent sound-insulating performance
- Stable element structure – 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
- Pane infill made of acrylic (PMMA), silicate glass as well as polycarbonate
- Increased noise barrier and sound absorption when combined with KOHLHAUER **PLANTA®**
- All materials 100% recyclable

Classification of the accoustic characteristics accord. to DIN EN ISO 717-1 as well as DIN EN 1793

SCORSA FRAME (sheet material)	Thickness	$R_w (C; C_{tr})$	Sound insulation DL_r	Group
Polycarbonate	8 mm	29 (-1;-2) dB	27 dB	B3
	15 mm	33 (-1;-2) dB	31 dB	B3
Single-pane safety glass	12 mm	30 (-1;-1) dB	29 dB	B3
Acrylic glass	15 mm	33 (-1;-2) dB	30 dB	B3
	20 mm	33 (-2;-2) dB	31 dB	B3

COLOUR CHART

Red tones



RAL 3001
Signal red



RAL 3003
Ruby red

Blue tone



RAL 5017
Traffic blue

Green tones



RAL 6005
Moss green



RAL 6011
Reseda green

Metallic effect

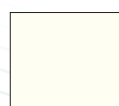


RAL 9007
Grey aluminium



RAL 9006
White aluminium

White



RAL 9010
Pure white

Grey tones



RAL 7004
Signal grey



RAL 7035
Light grey

TECHNICAL SPECIFICATIONS

- KOHLHAUER **SCORSA® FRAME** is designed for the highest standard supplementary technical regulation, the German ZTV-LSW 06
- Noise insulation values depend on thickness of panes and materials according to DIN EN 1793-2; e.g. $R_w \geq 30$ dB, $DL_R \geq 29$ dB
- Wind load 1,0 kN/m² and more
- Fire resistance class 1-3 pursuant to DIN EN 1794-2, Appendix A
- Load bending tested pursuant to DIN EN 1794-1, Appendix 4

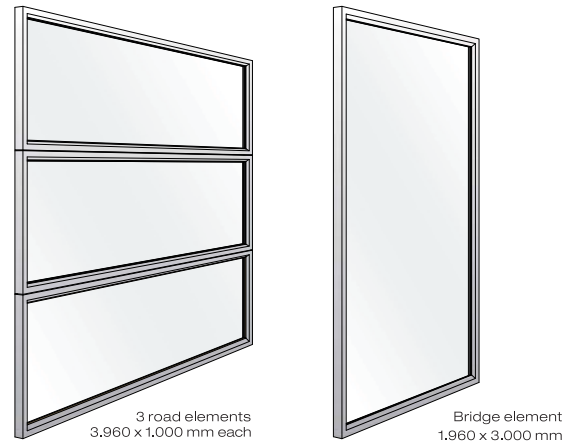
BASIC ELEMENTS

Standard equipment for road

Element dimension 3.960 x 1.000 mm, aluminium frame 70/63, coated with RAL 9006, pane material: Acrylic sheets (PMMA), Polycarbonate (PC) or single-pane security glass, regarding sound insulation requirements and local legislations, incl. 4 clamping bolts for pillar-mounting.

Standard equipment for bridges¹⁾

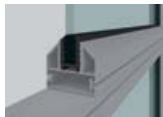
Element dimension 1.960 x 3.000 mm, aluminium frame 70/63, coated with RAL 9006, pane material: Acrylic sheets (PMMA) or Polycarbonate (PC) (regarding local legislations), incl. 8 clamp bolts for pillar mounting and sealing rubber (if required)



ADVANCED ELEMENTS

- **Transit profil** (3.960 x 113 mm) for installation on a KOHLHAUER **PLANTA®** element
- **Bird protection** applied with screen printing, horizontal, 2/30/2 mm
- Security rope, including sheet drillings
- Special formats (e.g. parallelogram)
- Compensation for different post distances
- **Easy-to-clean-coating** to facilitate removing graffiti from the panes
- Selected **RAL-Colours** for a high-quality noise barrier finish (see colour chart)
- Colour options for transparent panes are available on request

COMBINATION OPTIONS



- 1 KOHLHAUER **SCORSA® FRAME** on KOHLHAUER **SCORSA® FRAME**



- 2 KOHLHAUER **SCORSA® FRAME** on concrete bases



- 3 KOHLHAUER **SCORSA® FRAME** on KOHLHAUER **PLANTA®**



¹⁾ Application in fall-risk areas only permitted with additional guard equipment according to respective regulations



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



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

