



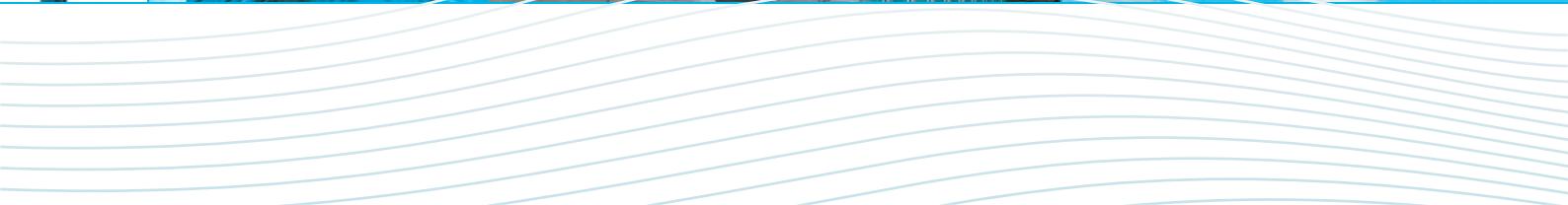
KOHLHAUER® NOISE BARRIERS – QUALITY OF LIFE

KOHLHAUER® CLEARVIEW XT - THE EFFICIENT SOLUTION

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

ACRYLIC SHEET <

Transparent sheet material
Different thicknesses
Proven quality



KOHLHAUER **SCORSA**[®] – UTMOST FUNCTIONALITY

KOHLHAUER[®] CLEARVIEW XT - ACRYLIC SHEETS (PMMA)

KOHLHAUER[®] CLEARVIEW XT stands for quality proven sheet material of transparent noise barriers. The sheets are made of extruded acrylic glass, the most popular material in noise protection.

Solutions for noise protection with best results

As a system supplier for noise control and environmental management R. Kohlhauer GmbH is committed to innovative solutions for noise protection with the highest degree of transparency.

Since 1993 our company has offered a high-quality and efficient product range as well as extensive know-how in the field of planning, logistics, production and distribution of noise protection systems for road and rail projects.

Highly transparent sound insulation wall made of acrylic glass excel through excellent optical properties, longevity and resistance to atmospheric corrosion (10 years warranty) as well as best sound control properties. Because of its variable formats and thicknesses, its availability in various colours and special designs, KOHLHAUER[®] CLEARVIEW XT provides a wide scope for creative opportunities, e.g. in combinations with a lot of different variants.

Benefits

- Light weight
- High degree of transparency
- Fulfills the criteria of EN-1793, EN-1794 and German ZTV-Lsw 06
- High degree of chemical resistance
- Impact-resistant
- UV and weather resistant
- Resistant to stone impact
- Excellent sound insulation properties
- Suitable for KOHLHAUER **SCORSA**[®] FRAME systems



KOHLHAUER® CLEARVIEW XT - ACRYLIC SHEETS (PMMA)

The characteristics of KOHLHAUER® CLEARVIEW XT sheets have been tested and proven. The following tables display the properties of the material.

MECHANICAL PROPERTIES	VALUE	OTHER PHYSICAL PROPERTIES	VALUE
Yield stress	70 MPa	Density	1.19 g/cm ³
Elongation at break	5%	Vicat refractory deformation temperature	102 °C
Elasticity modulus	3000 MPa	Thermal coefficient of expansion	70x10 ⁻⁶ mm/m°C
Flexural strength	98 MPa	Maximum service temperature	70 °C
		Light transmission in %	92%

KOHLHAUER **SCORSA**® with CLEARVIEW XT as sheet material is a complete high-quality noise barrier system that fulfils all requirements and expectations, as the following data demonstrates. "Frame-R" system is designed for use along roads and "Frame-B" system for use on bridges and other exposed sections.

KOHLHAUER SCORSA® WITH KOHLHAUER® CLEARVIEW XT

"FRAME-B" 15 mm *

Format	1960 x 3000 mm
Airborne sound insulation	DL _R = 30 dB (group B3)
Element dry weight	1.17 kN
Normal (90°) load (due to wind and static)	1.31 kN/m ²
Normal (90°) load (due to snow clearance)	9.22 kN/(2x2 m)
Impact of stones	Fulfilled
Resistance to brushfire	Class 1
Estimated service lifetime	30 years

In case of danger through falling sheet fragments, we recommend additional security measures.

* Different sheet thicknesses on request





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The reasonable and proven all-round Grid-Insulation-System (GIS) with many design variations.



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



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

