



SOUND BARRIER WALLS





CIPI s.r.o. it is one of the leading manufacturers and implementers of various types of anti-noise measures in Slovakia. The primary function of noise barriers is in particular to dampen and to reduce sound from vehicles and other sources of noise near residential areas, thereby contributing to the protection of the environment and health. Secondly, they help forming and shaping the character of the area where they are located. In addition to sound barrier walls designed for road traffic, they can also be used to dampen sources of noise from production plants, multifunctional buildings, or in individual housing.

Other products for road constructions besides noise barriers are also anti-glare barriers to prevent dazzling by opposite vehicles in road and rail traffic. Anti-glare barriers are an appropriate solution for civil objects in the immediate vicinity of roads or railways whose operational nature is adversely affected by glare from the means of transport.

Depending on customer's requirements, we are able to ensure complete implementation including foundation.





Types of sound barrier walls and panels

Supporting posts made of steel or concrete

TRANSPARENT PANELS: PMMA, GSCC, solid polycarbonate

- Embedded into certified aluminium frames, the system solution meeting the requirements for acoustic properties DLR to 33 dB (Category B3), safety class for falling fragments 2 and 4 respectively (depending on the panel used); available up to dimensions of 1960 x 4000 mm.
- Possibility of varied colour solutions for the panels (or use of screen printing and various labels) and aluminium frames
Accessories: exit and service doors and gates, detachable covers of posts, exit route designation, rope protection, anti-graphite treatment

OPAQUE PANELS: Aluminium sound barrier panels reflective, one-side / double side absorbing

- Sound absorption, class A4 DL to 14 dB, insulation of DLR to 28 dB (category B3), certified for post span up to 6.000 m, life time not less than 15 years.

Precast concrete sound barrier panels

- Sound absorption DLR category B3 and absorption parameters up to category A4

The sound barrier walls from CIPI s.r.o meet all the requirements of the European Standard EN 14388.

Advantages:

- Excellent sound insulation and sound absorption
- Visual attractiveness
- Homogeneous surface
- Possible individual design
- Combinable materials
- Minimum dead weight of aluminium panels
- Materials comply with all relevant standards and regulations (ZTV-Lsw06, Eurocode 3, Eurocode 9, DIN Technical report 101, EN 1991-1-4)
- CE Certificate
- High resistance to freezing and de-icing salts
- Minimum maintenance requirements
- Low life cycle costs



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