

AluRail Collision Barrier Alupro Oy



The AluRail Collision Barrier provides clean-lined, attractive, and cost-effective protection for demanding locations. Strength, ease of mounting and cleaning, as well as a wide range of colours, are the properties making the AluRail Collision Barrier the natural choice.

EURONORM-COMPLIANT COLLISION BARRIER

The sturdy construction of the AluRail Collision Barrier conforms to the requirements governing car protection, parking, and yard levels in Eurocode 1 (SFS-EN 1991-1-7). Despite its strength, the appearance of the barrier profile is slim and symmetrical, significantly broadening its range of functional applications.

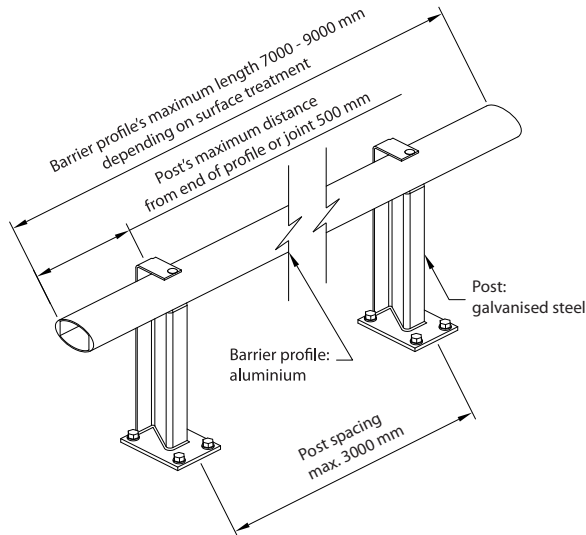
FUNCTIONAL APPLICATIONS

The primary functional purpose of the AluRail Collision Barrier is to protect structures in parking garages from vehicular impacts. The barrier's symmetrical shape and attractive appearance means it can also be recommended for use as a glass-protecting structure, space divider, or for channelling traffic.



LIFE CYCLE COSTS

Except for cleaning, the AluRail Collision Barrier is a maintenance-free product. The railing profile's shape and surface treatment, as well as the painted support posts, facilitate cleaning that can be carried out with ordinary detergents and the appropriate methods. Aluminium has excellent corrosion resistance, and the powder painted or anodised railing profile is extremely long-lived. The barrier's hot galvanised steel posts are also durable and long-lasting. The AluRail Collision Barrier is a truly economical solution when the long service life, maintenance-free functionality, and ease of cleaning are taken into account. At the end of the life cycle, all the materials used can be sent for metal recycling.



DIMENSIONING GUIDELINES

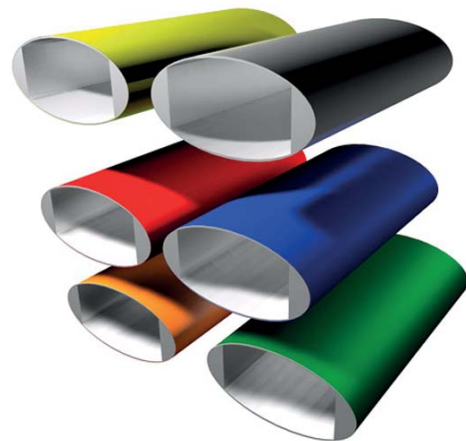
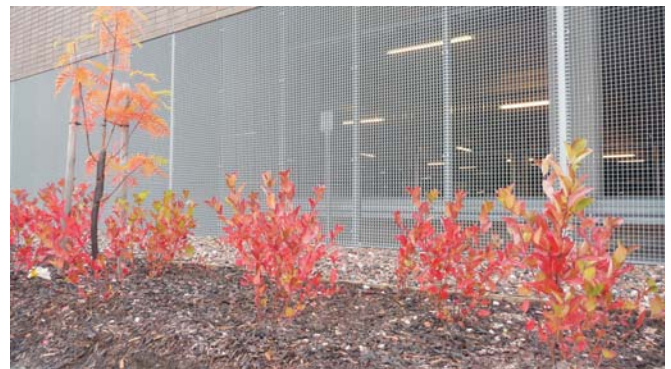
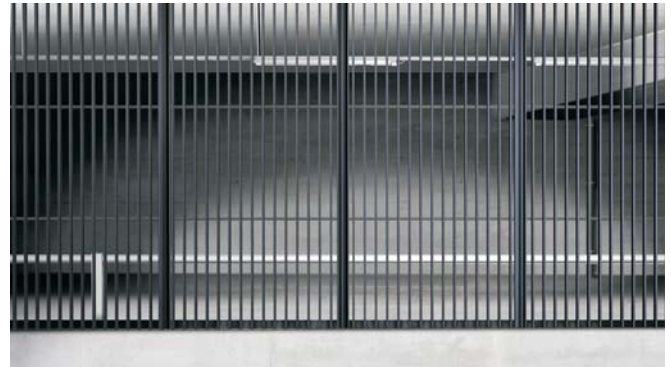
The largest recommended support spacing for the AluRail Collision Barrier is 3000 mm; the barrier profile's maximum length depends on the surface treatment: painted 7000 mm, anodised 7800 mm, and untreated 9000 mm. The necessary joints and corners are made with inner tube connections. The maximum distance from a joint to a post is 500 mm.

MOUNTING EASINESS

When required, the barrier can also be mounted between columns and other structures. In that case the profile can also be attached at its ends with inner tube connections. The barrier profile and support post are easily attached with bolt connections without the need for separate fixing components. If necessary, the barrier profile can be cutted to size at the mounting location because there is no need for additional protection after cutting.

RELIABLE CO-OPERATION

Alupro has long-term experience with the design, manufacturing, surface treatment, and mounting of customised aluminium structures. Our own production facility and powder painting shop guarantee a seamless production chain and high-quality products. Regardless of whether the job is large or small, the result is always a solution tailored to each customer's preferences. Deliveries are always made flexibly and dependably according to agreed terms and time schedules.



The colour of a painted collision barrier can be selected from the RAL colour chart.

Alupro's louver systems are presented at the address: www.alupro.fi

MANUFACTURING, SALES, AND INFORMATION

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