

System POST-FREE

A complete CE-marked system free from bearing steel posts, for installation on a bridge, on a retaining wall or in the ground by both roads and railways. The screen solution consists of 12 mm Hammerglass mounted in a low steel angle.

The Hammerglass panels are bent in three levels. The construction is supported by a 90 degree vertical bend which is also complemented by two smaller 45 degree bends at the top and bottom for extra stability.

Each individual Hammerglass panel is fixed in a rigid steel angle and connected to the next panel with fixpoints. The steel angle consists of a horizontal base and a vertical part with varying height (400-600 mm) adapted to the height of the Hammerglass screen.

When the installation allows, the panels can be buried in 15-20 cm in macadam/shingle to prevent the transmission of noise beneath the barrier.

The Hammerglass panels can be supplied with patterns, in order to prevent bird collisions.

Sustainability

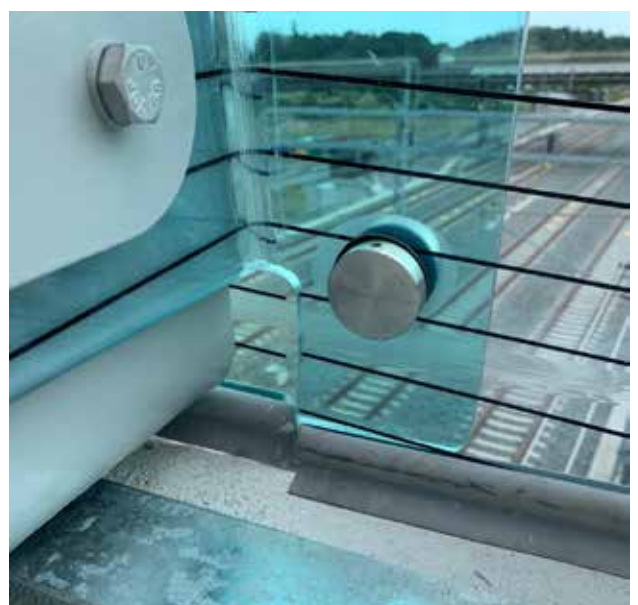
Since steel is more expensive than polycarbonate, POST-FREE comes with a lower price tag. As the amount of steel used is less than in a barrier with whole posts, the carbon footprint is only 57% compared to a traditional screen. The use of nanotechnology minimises the maintenance costs as waste is rinsed off by the rain, and graffiti does not stick as easily as it does on ordinary glass.

Design and installation

Bring us into your discussions at the idea stage. Our designers will prepare drawings and offer suggestions for functional solutions. We will be happy to provide tenders for complete projects: Made-to-measure Hammerglass, posts, fixing systems and installation.

Draft regulatory text

"Noise barriers shall be CE-marked and constructed in 12 mm chemical-resistant (must withstand acetone), hard-coated polycarbonate offering at least 99.96% UV protection, type Hammerglass, mounted without traditional posts, type Hammerglass Post-Free."



Technical specifications

Max cc-distance	1500 mm	
Max height	5500 mm	
Steel angle, horizontal part	450 x 400 x 15 mm	
Steel angle, vertical part	450 x 400-600 x 15 mm	
Hammerglass thickness	12 mm	
Noise reduction class	B3 (12 mm)	
Noise reduction	12 mm	34 dBRw
	12 mm	30 DL _R
	15 mm	35 dBRw
	17 mm	36 dBRw
Can be provided with bird deterrent patterns	Yes	