NOISE BARRIER SYSTEM BRIDGE-3

A complete CE-marked system for mounting onto bridge to the side of the bridge edge girder along roads or railways. Can be supplied up to a height of 6 metres.

The Hammerglass panels are clamped between an HFRHS post and a robust clamping profile, and secured with wire at the top if necessary. Normally the screen is angled outwards to maintain the working width of the road barrier.

For mounting along railways, all screens are provided with earth rails and each section is earthed separately. A 45 degree bend in the top of the Hammerglass panels reinforces the structure and at the same time contributes to an effective reduction in low-frequency noise from trains.

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

Minimal maintenance

The use of nanotechnology minimises the maintenance costs as waste is rinsed off by the rain, and graffiti does not stick as on ordinary glass. The estimated service life is more than 40 years.

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 on the outside of the bridge edge girder, on hot-dip galvanised posts, type HMG iNFRA system Bridge-3."

TECHNICAL SPECIFICATIONS BRIDGE-3	
Max Hammerglass width	2000 mm
Max Hammerglass height (at width 2000 mm)	6000 mm
Product dimensions HFRHS	100 x 100 x 6 mm
Product dimensions U-profile	44 x 26 x 4 mm
Product dimensions clamping profile	8 mm
Hammerglass dimension	12, 15, 17 mm
Can be inclined inwards/outwards	Yes
Can be cut trapezoidally	Yes
Can be provided with bird patterns	Yes
Noise reduction class	B3 (12 mm)
Noise reduction 12 mm Noise reduction 15 mm Noise reduction 17 mm	34 dB R_W and 30 dB DL_R 35 dB R_W 36 dB R_W