

Jakoustic Environmental Noise Barrier for Highway applications

Manufacturer: Jacksons Fencing.

Web: www.jacksons-fencing.co.uk.

Tel: +44 (0)1233 750393.

All materials are covered by the Jacksons 25-year guarantee. On timber products, **only** the unique Jakcure® treatment process delivers a 25-year guarantee against all wood boring pest and all forms of dry and wet rot. On steel fencing, the exclusive Jacksons 25-year Service Life guarantee provides cover against defects such as design, manufacturing finish and fitness for purpose .

Product reference: [Jakoustic Highway Reflective Barrier]. - 28 dB (maximum) noise reduction.

[Jakoustic Plus Highway Absorptive Barrier]. - 32 dB (maximum in laboratory conditions) noise reduction.

•Height:

[_____] - Up to 7.0 m as standard, up to 12 m by special design.

•Gates:

[Double all timber construction].

[Double galvanized steel internal frame clad both sides in timber].

[Single all timber construction].

[Single galvanized steel internal frame clad both sides in timber].

-Types:

[Cantilever].

[Swing].

[Tracked].

-Operation:

[Automatic]. Gate Safe compliant: EN 13241-1:2003 (EN 12453:2003 / EN 12445:2000 / EN 12978:2003 / EN 12604:2000 / EN 12605:2000)

[Manual].

[Safety-glide in-stile operator].

[Underground operator].

•Finish/ Colour:

[Jakoustic Reflective]. - Natural timber finish.

[Jakoustic Plus]. - Natural timber finish on one side, black acoustic membrane on absorptive face affixed with vertical timber battens. Other battening patterns available.

[Jakoustic Highway]. - Reflective per Jakoustic Reflective, Absorptive per Jakoustic Plus. Hot dip galvanized steel 'I' beam posts as standard.

[Manufacturer's standard].

•Other requirements:

(AND)

[None].

[Capping and counter rail]. - Optional for Jakoustic Highway.

[Steel 'I' beam post]. - Standard for Jakoustic Highway.

[Steel 'I' beam post, timber clad to 'rear flange']. - Optional on any 'I' beam system.

Jacksons Fencing NBS Specification

As standard

Size:

- Acoustic Board size: 34 x 125 mm x 4.8 m Lg.
- Capping Rail Size: 34 x 145 mm x 4.8 m Lg.
- Counter Rail Size: 34 x 70mm m x 2.4 m Lg.

Options

Gates:

Matching gates in either timber or with galvanized steel frame, depending on size required. Size (h x w) minimum for Highways 2100 x 900mm per leaf as standard. Larger sizes by special design.

Swing and sliding gates available.

Jakoustic Highway Environmental Noise Barrier (Reflective or Absorptive):

Designed for highways and commercial applications, providing the same level of noise protection as the Jakoustic reflective or Jakoustic Plus absorptive barrier systems. The interlocking 'Vee' boards are fixed to galvanized steel 'I' beam posts for additional strength and rigidity meeting the Highways Agency standards BS EN 1794-1 and -2. This product is offered with optional capping and counter rails to further enhance appearance. The 'rear' flange of the 'I' beam posts can be timber-clad to match.

Benefits:

- Maximum noise reduction in laboratory conditions: Reflective 28 dB, Absorptive 32 dB.
- Easy to install.
- Can be installed on uneven or sloping ground.
- All timber is Jakcure® vacuum pressure treated softwood guaranteed for twenty five years against rot and insect attack.
- Higher security variants of Jakoustic Reflective are available in designs as tested and approved by UK Government and to LPS 1175 Security Level 3.

Approvals:

- Certification: BS EN 1793-2 (Category B3), BS EN 1793-1 (Category A3, Absorptive only), BS EN 1794-1 (Annex A, B, C & E), National Highways Sector Scheme 4, design in accordance with BS EN 1794-2:2003. Detailed compliance statement available. Absorptive only.
- Certification under the environmental chain-of-custody schemes of both the FSC (Forest Stewardship Council) and the PEFC (Programme for the Endorsement of Forest Certification).
- ISO 9001 Certified Manufacturer.
- National Highways Sector Scheme 4 Certification for preservative treatment of timber.

Installation

In accordance to manufacturers instructions