

DECLARATION OF PERFORMANCE

No2019002EB Rev:02

1. Unique identification code of the product type

SAFEROAD Bastion Noise Barrier Absorptive

2. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:
Road Traffic Noise Reducing Device Absorptive.
3. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):

**Saferoad UK Ltd
Concord House
Bessemer Way
Scunthorpe
DN15 8XE**

4. Authorised representative.
[redacted]
5. System or systems of assessments and verification of constancy of performance of the construction product as set out in CPR, Annex V:

System 3

6. In case of declaration of performance concerning a construction product covered by a harmonised Standard:

EN14388:2005

7. Notified Body
MFPA Leipzig 0800

8. Declared performance
Product description:

Timber Absorptive Acoustic element supported by steel H section structural element (posts)
maximum span between posts 3m.

Essential Characteristics	Performance
Sound absorption DLa	8dB
Sound absorption Dlr	30dB
Resistance to Loads	
Self-weight of noise reducing acoustic element	0.659 kN/M2
Wet	0.349 kN/M2
Dry	

Maximum normal 90 degree load an acoustic panel can withstand due to wind and static	2.30 kN/M2
Maximum vertical load from acoustic element above	3.50 kN/M2
Maximum 90 degree load an acoustic element can withstand due to dynamic load from snow clearance	15 kN/ (2mX2m)
Maximum normal 90 degree load a structural element can withstand due to wind, static external and self-weight at height shown	See table 1 standard system posts
Maximum bending moment a structural element can withstand due to dynamic loads from snow clearance at height shown	See table 1 standard system posts
Resistance to impact from stones	Achieves the standard
Risk of falling debris	NPD
Resistance to brush fire	Class 2
Light reflectivity	NPD
Release of dangerous substances (environmental protection)	NPD (timber treatment BS8417 & galvanising to ISO 1461)
Expected Durability	years
Acoustic characteristics	5=0.5dB,10=1dB,15=1.5dB,20=2dB
Airborne sound absorption index	NPD
Non-acoustic characteristics	
Acoustic element	40years Timber treated in accordance with BS EN 13183, BS EN 351 and BS 8417.
Structural element	40 years.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under sole responsibility of the manufacture SAFEROAD VRS.

Signed on behalf of the manufacture:

Name: [redacted]

At: SAFEROAD VRS Ltd, Concorde House, Bessemer Way, Scunthorpe, North Lincolnshire, DN15 8XE on 14/06/2019.

Signed: [redacted]

Table 1 Standard Post Types

Post Type	Drawing Number	Steel Section	Wedge Type	Maximum Loading @3m Centres in accordance with EN 1990, EN 1991-1-1 & NA, EN 1993-1 & NA	Service Life
A1	UK20137	HEA 100 A S355JR	Proprietary timber wedge supplied by the manufacturer of the acoustic element	1.5m high max wind load = 5.08kN/m 1.5m high max snow load = 17.9kNm 2m high max wind load = 2.21 kN/m 2m high max snow load = 9.5kNm 2.5m high max wind load = 1.16kN/m 2.5m high max snow load = 6kNm 3m high max wind load = 0.68kN/m 3m high max snow load = 4.1kNm	40 years
A2	UK20137	HEA 120 A S355JR	Proprietary timber wedge supplied by the manufacturer of the acoustic element	2m high max wind load = 3.84kN/m 2m high max snow load = 19.5kNm 2.5m high max wind load = 2.01 kN/m 2.5m high max snow load = 13.7kNm 3m high max wind load = 1.18kN/m 3m high max snow load = 8.5kNm 3.5m high max wind load = 0.64kN/m 3.5m high max snow load = 4.3kNm	40 years
A3	UK20137	HEA 140 A S355JR	Proprietary timber wedge supplied by the manufacturer of the acoustic element	2.5m high max wind load = 3.42 kN/m 2.5m high max snow load = 12.4kNm 3m high max wind load = 2.01kN/m 3m high max snow load = 8.5kNm 3.5m high max wind load = 1.09kN/m 3.5m high max snow load = 6.2kNm 4m high max wind load = 0.65kN/m 4m high max snow load = 4.7kNm	40 years
A4	UK20138	HEA 160 A S355JR	Proprietary timber wedge supplied by the manufacturer of the acoustic element	3m high max wind load = 3.25kN/m 3m high max snow load = 12kNm 3.5m high max wind load = 1.77kN/m 3.5m high max snow load = 8.8kNm 4m high max wind load = 1.04kN/m 4m high max snow load = 6.7kNm 4.5m high max wind load = 0.66kN/m 4.5m high max snow load = 5.3kNm	40 years

Post Type	Drawing Number	Steel Section	Wedge Type	Maximum Loading @3m Centres in accordance with EN 1990, EN 1991-1-1 & NA, EN 1993-1 & NA
A5	UK20138	HEA 180 A S355JR	Proprietary timber wedge supplied by the manufacturer of the acoustic element	<p>4m high max wind load = 1.57kN/m 4m high max snow load = 8.9kNm</p> <p>4.5m high max wind load = 0.98kN/m 4.5m high max snow load = 7kNm</p> <p>5m high max wind load = 0.72kN/m 5m high max snow load = 5.7kNm</p> <p>5.5m high max wind load = 0.54kN/m 5.5m high max snow load = 4.7kNm</p>
A6	UK20138	HE 200 AA S355JR	Proprietary timber wedge supplied by the manufacturer of the acoustic element	<p>3m high max wind load = 7.17kN/m 3m high max snow load = 21.1kNm</p> <p>4m high max wind load = 2.31kN/m 4m high max snow load = 11.7kNm</p> <p>5m high max wind load = 1.06kN/m 5m high max snow load = 7.5kNm</p> <p>6m high max wind load = 0.62kN/m 6m high max snow load = 5.2kNm</p>
B1	UK20139	UB 127X76 S275JR	Proprietary timber wedge supplied by the manufacturer of the acoustic element	<p>1m high max wind load = 21.8kN/m 1m high max snow load = 35.9kNm</p> <p>2m high max wind load = 3kN/m 2m high max snow load = 15.2kNm</p> <p>2.5m high max wind load = 1.57kN/m 2.5m high max snow load = 7.2kNm</p> <p>3m high max wind load = 0.92kN/m 3m high max snow load = 3.1kNm</p>
B2	UK20139	UB 152X89 S275JR	Proprietary timber wedge supplied by the manufacturer of the acoustic element	<p>2m high max wind load = 5.29kN/m 2m high max snow load = 10.9kNm</p> <p>2.5m high max wind load = 2.76 kN/m 2.5m high max snow load = 6.8kNm</p> <p>3m high max wind load = 1.62kN/m 3m high max snow load = 4.7kNm</p> <p>3.5m high max wind load = 0.88kN/m 3.5m high max snow load = 3.4kNm</p>
B3	UK20140	UB 178X102 S275JR	Proprietary timber wedge supplied by the manufacturer of the acoustic element	<p>3m high max wind load = 2.64kN/m 3m high max snow load = 6.5kNm</p> <p>3.5m high max wind load = 1.44kN/m 3.5m high max snow load = 4.8kNm</p> <p>4m high max wind load = 0.85kN/m 4m high max snow load = 3.6kNm</p> <p>4.5m high max wind load = 0.53kN/m 4.5m high max snow load = 2.9kNm</p>

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Post Type	Drawing Number	Steel Section	Wedge Type	Maximum Loading @3m Centres in accordance with EN 1990, EN 1991-1-1 & NA, EN 1993-1 & NA	Service Life
B4	UK20140	UB 203X102 S275JR	Proprietary timber wedge supplied by the manufacturer of the acoustic element	3.5m high max wind load = 2.23kN/m 3.5m high max snow load = 6.5kNm 4m high max wind load = 1.32kN/m 4m high max snow load = 5kNm 5m high max wind load = 0.61kN/m ² 5m high max snow load = 3.2kNm 5.5m high max wind load = 0.46kN/m ² 5.5m high max snow load = 2.6kNm	40 years