



FabBloc60A

Lightweight fire and insulation barrier system for railway carriages

60 Minutes of Fire Protection and Thermal Insulation

FabBloc60A is a range of advanced intumescent materials offering lightweight fire and insulation barriers for rail applications. Combining the latest technology in thin film fire protective coatings and aerospace innovation thermal barrier fabrics, the FabBloc60A range provides unrivalled fire resistance.

- Excellent acoustic absorption
- Unique, flexible space saving installation
- Only 15mm thick
- Flexibility – compressible up to 50%
- Light-weight
- Cost effective
- Easy to handle
- Rapid installation
- Minimum equipment required
- Robust and moisture resistant
- Movement capability
- Low smoke & toxicity
- Durable
- Applications – vertical and horizontal
- Resistant – mould, fungus and vermin attack
- Repellent – to an extensive range of chemicals

Fabloc60A is designed to stop the transfer of heat & fire from its source to the underside of the aluminium decking or floor. In a fire situation the exterior coating reacts and expands forming a char which blocks the passage of fire. The inner layer of 100% aramid fibre yarn in a non-woven blanket form absorbs the heat, keeping the upper decking cool and reducing the heat transfer to the floor above.

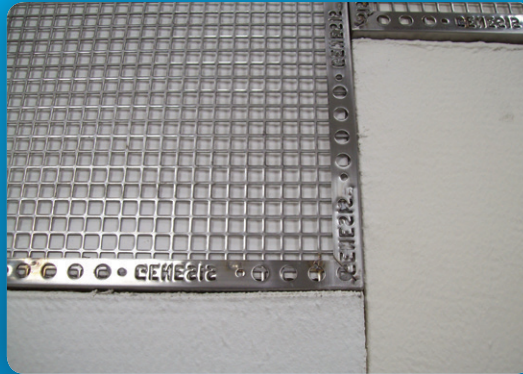
	FabBloc60A
Fire, Smoke and Toxity Resistance to EN45545 Fire Resistance to BS6853: 1999 & EN1363-1: Part 2	60 minutes
Thermal Insulation BS476 : Pt20	60 minutes
Acoustic Absorption ASTM C384	see graph
Weight	2.55 kg/m ²
Dimensions (nominal)	1500 x 1000 x 14.8mm
Intumescent ablative	2mm
Thermal conductivity ASTM C518-98	0.029Kcal/m hr @ 23.8°C
Construction	Aramid fibre yarn non-woven fabric blanket precoated one side with an intumescent ablative
Maximum of seal	18mm including installation module
Smoke & Toxicity	Low
Colour	Standard colour white / cream (other selected RAL colours available on request)

Modular Installation System

FabBloc60A can be supplied either in sheet form, on roll, cut to size or using our unique 'Ready to Fit' modular installation system.

Each self contained module (typical 500 x 500 x 15mm, flexible sizes available) minimises space and provides quick and easy fitment to the carriage floor.

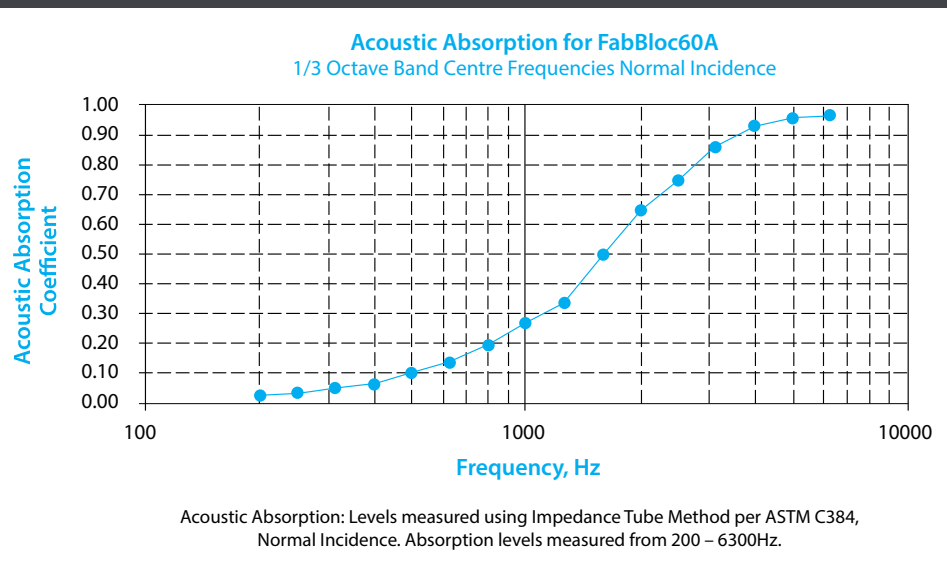
The unique mounting system is configurable to a specific application. Individual modules can be removed and replaced if required (i.e. major overhauls).



View of underside of carriage floor



FabBloc60A Material – Acoustic Absorption Properties



Tested according to:

EN1363-1:2012 BS6853:1999 BS476:part 2 BS476-7:1997 EN45545

Quality

FabBloc60A is manufactured by Fire Protection Coatings Ltd in the UK to: BS EN ISO9001:2008 and BS EN ISO14001:2004

FPCL is a member of the ASFP (Association of Specialist Fire Protection)

Technical assistance

Technical assistance can be obtained by calling our technical team on: +44 (0) 114 221 1111 or email: sales@scgsolutions.co.uk

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