ASTROFLAME
PASSIVE FIRE STOP SYSTEMS

Product Data Sheet

Blue60 Fire Rated Frame Foam

Revision 7 - 26th January 2026



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BLUE60

Fire Rated Frame Foam, Packers & Timberex wedges



- 30 & 60 minute fire tested to BS-EN 1634-1 & BS476-22
- Tested in full size single & double doorsets, not linear gaps
- No additional mastics or sealants required
- Acoustically tested to full doorset up to 43dB*
- Tested in masonry, timber and steel stud partitionings
- Tested with softwood, MDF & hardwood frame sections
- Tested in a retro-fit scenario to allow use for rectification
- Now tested with gaps 3 : 30mm
- Blue60 Foam must be used in conjunction Blue60 packers available in 1,3 & 5mm or Blue60 Timberex Wedgers

Product Description

Blue60 is a specially formulated, self-expanding polyurethane foam designed for sealing timber doorsets. When paired with Blue60 fire-rated packers or the Blue60 Timberex wedge system, it delivers up to 60 minutes of proven fire protection. Helping you achieve compliance quickly and with confidence.

The most tested foam of its kind, Blue60 has passed every single test to BS 476 Part 22 and BS EN 1634-1 standards. Covering every combination of wall and frame type, both 30 and 60 minute timber fire doors and single or double sets. It's a system making it the perfect choice for contractors, property owners or professionals that want to protect timber doorsets.

Blue60 expands to form a durable, smoke and gas tight seal, meaning no extra mastics or sealants are needed. Once cured, it won't shrink, ensuring lifelong integrity. Installation is simple, fast and more cost-effective helping you create a building that's safe, secure and up to standard.

In addition to fire and smoke resistance, Blue60 provides excellent acoustic insulation, reducing sound transmission by up to 43 dB Rw* perfect for creating quiet, secure environments. The foam is CFC and H-CFC-free using propellants that are harmless to the ozone layer.

Blue60 Fire-Rated Packers
Each semi-rigid packer is colour coded by thickness 1 mm, 3 mm, and 5 mm for easy identification. They can be trimmed and shaped for a precise fit, ensuring consistent gap management and system performance. Designed to work seamlessly with Blue60 foam.

Properties

Blue60 Timberex Wedges

The Timberex wedges are part of the Blue60 installation system. Their wedge-shaped design assists installers when dealing with difficult door gap issues, whilst still offering the same rigidity as conventional Blue60 packers at the fixing positions. When used with Blue60 foam they provide up to 60 minutes fire resistance and prevent smoke leakage. The Blue60 Timberex wedge can be cut, shaped, painted or finished with mastic for a seamless finish.

Used by many of the UK's leading developers, the Blue60 system is a proven, environmentally responsible and cost effective solution for fire rated timber door installations.

Properties

According to BS EN 1634-1 & BS 476 Part 22 fire retardant up to 60 mins – see table enclosed.
Efficient seal against smoke and gas.
Does not contain CFC's and H-CFC's.
Excellent adhesion & filling capacity.
Excellent mounting capacity and stability.
High yield up to 45 litres depending on temperature and humidity.
Excellent adhesion on most substrates (except Teflon, PE and PP).
High filling capacity.
High thermal & acoustical insulation value.
After cured, it can be painted, cut , trimmed.
No shrinkage
Mould and water resistant.
Temperature resistance -40°C to +90°C

Technical Properties

Base Polyurethane prepolymer
Curing System Moisture
Skin Formation Approx. 10 minutes
Fully fire rated after full curing 24:48hrs depending on conditions
Specific gravity 23+ kg/m3
Temperature resistance -40°C until +90°C (cured)
Fire properties BI (DIN 4102)

Performance

30 Minute Timber Doorset

Wall Construction	Frame Material	Frame Depth	Minimum Gap	Maximum Gap	Tested to
Timber Stud Steel Stud Brickwork	MDF Softwood minimum density 450 kg/m3	Minimum Depth 80mm	No minimum gap providing the frame width is fully filled	30mm	EN 1634-1 BS476 PT:22

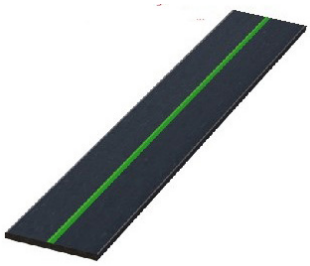
60 Minute Timber Doorset

Wall Construction	Frame Material	Frame Depth	Minimum Gap	Maximum Gap	Tested to
Timber Stud Steel Stud Brickwork	MDF Hardwood minimum density 610 kg/m3	Minimum Depth 100mm	No minimum gap providing the frame width is fully filled	30mm	EN 1634-1 BS476 PT:22

Product Availability

Blue60 foam has a usable life in the can of 2 years from the manufactured date shown on the bottom of the can, if unopened, however some diminishing yield from the can may become apparent after 12 months if not stored in a cool dry storage place at temperatures between +5°C and +25°C.

Product Code	Product Description	Size
AFBLUE60/GG	Blue60 Fire Rated Frame Foam GUN GRADE	750ml
AFBLUE60/1MM	Blue60 Packer 1mm (Green)	1mm
AFBLUE60/3MM	Blue60 Packer 3mm (White)	3mm
AFBLUE60/5MM	Blue60 Packer 5mm (Blue)	5mm
AFBLUE60/TW	Blue60 Timberex wedge	2:15mm wedge shape 80mm long



BLUE60 Packer 1mm



BLUE60 Packer 3mm



BLUE60 Packer 5mm



Blue60 Timberex wedge

To Order & Specify

Please contact us and quote the following information - Quantity / Product Code / Product Description / sizes
Typical example:- 10 / AFBLUE60/GG / Blue60 Fire Rated Frame Foam GUN GRADE / 750ml

>> Tel: 01329 844 500 or >> Email: sales@astroflame.com

Installation

We have technical representatives who provide assistance in the selection and specification of the products on this site and should be consulted for exact installation and product suitability. Ensure an early engagement with ourselves, designers, main contractor and specialist installers before any installation. Other trades and/or manufacturers may need to be consulted. For in-depth information, specification and technical advice please call our Head Office on tel 01329 844 500 or email sales@astroflame.com

Maintenance

All interested parties, designer, specifier, main contractor and specialist installers should provide access to allow the fire stopping seals to be regularly inspected and maintained, as well as records kept of such maintenance at minimum periods of 12 months, as required by the Regulatory Reform Order, and repaired if necessary. Reference should be made to ASFP TGD 17 – Code of Practice for the Installation and Inspection of Fire Stopping.

Competency

It is vital that those entrusted to design or install a fire stopping product have the necessary levels of competence to undertake the task professionally and thoroughly. The level of competency required will be commensurate with the expected complexity of the building. All designers must eliminate, reduce or control foreseeable risks that may arise during installation, construction or maintenance when preparing or modifying designs. Clients should ensure that the principal designer and principal contractor carry out their duties under CDM regulations. The ASFP foundation course in passive fire protection provides essential knowledge as part of demonstrating competency and understanding in this key fire protection specialism.

Additional Notes

* The sound reduction rating will vary depending on the door density and any additional threshold & perimeter seals used in conjunction with this product, contact Astroflame for confirmation before specifying.

Each fire door will have its own test evidence from the door manufacturer. It is the responsibility of the purchaser to ensure that the seals are fully compliant with the relevant test evidence, if in doubt please contact the technical team on: tel 01329 844 500 or email sales@astroflame.com

Health and Safety

Please see (SDS) Safety Data sheet - This can be requested from our sales team T: 01329 844 500 or E: sales@astroflame.com

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