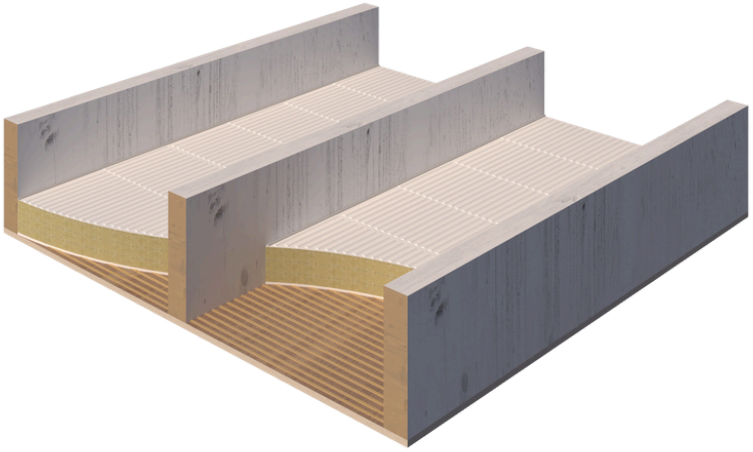
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Loaded Floor

Certified, easy to install batt loaded floor system with 60 minutes fire protection

LOADED FLOOR | 60 MINUTES FIRE RESISTANCE | CERTIFIED SYSTEM | EASY TO INSTALL | SOUND REDUCTION | MADE IN BRITAIN



DESCRIPTION

FIREFLY® Loaded Floor System is a simple to install, single-layer fire rated compartmentation solution. For use in loaded floor applications, suitable for installation from above. Independently tested and classified to deliver 60 minutes of loadbearing stability (R), fire integrity (E), and insulation (I) in accordance with EN 13501-2, using the trusted 60 mm **FIREFLY**® FB180 Batt.

Ideal for both retrofit and new-build projects, the system friction-fits between timber joists, delivering excellent acoustic and thermal performance. It enables fire resistance upgrades without removing or damaging existing ceilings, including ornate or heritage finishes. Once in place, it creates a robust fire barrier that helps preserve the floor's structural stability during fire exposure, effectively limiting the spread of flames and heat for at least one hour.

USE AREAS

Developed specifically for enhancing fire resistance in loaded timber floor constructions, the **FIREFLY**® Loaded Floor System is designed to friction-fit between joists coated with **FIREFLY**® Ablative Coating. It can be installed from above? or below, making it ideal for projects where ceiling access is restricted.

- Fire compartmentation in multi-occupancy dwellings, flats, and conversions
- New-build timber floors requiring REI 60 fire performance
- Widely used to provide fire compartmentation in applications such as multiple occupancy dwellings, retail and leisure
- Can be installed retrofit from above or below, ideal for historic buildings where existing ornate or lathe and plaster ceilings cannot be disturbed
- Compatible with **FIREFLY**® products as part of a tested system.

APPLICATION

Batt is cut to size and friction-fitted between timber joists (minimum 44 × 196 mm C16 softwood at 600 mm centres), all of which must be treated with **FIREFLY**® Ablative Coating to maintain fire performance. Batts are installed flush with the underside of the joists and sealed at all joints and perimeters using **FIREFLY**® FR Acrylic Intumescent Sealant to form a continuous fire protection layer

CONSTRUCTION

Layers of mineral wool are combined to create a 60mm thick board product, with an ablative coating factory-applied to both sides. The board has a density of 180kg/m3 with a rigidity that makes it suitable for friction fitting.

KEY BENEFITS

- Single-layer 60 mm batt installation provides 60 minutes loadbearing capacity, integrity & insulation (REI 60)
- Fully tested to BS EN 1365-2:2014 (loaded floor)
- Ideal for retrofit to leave ornate or lathe-and-plaster ceilings undisturbed while upgrading fire compartmentation
- Ease of installation with standard batt tools and friction fitting – no mechanical fixings required; **FIREFLY**® Sealant and Coating also available as part of the tested system
- Acoustic reduction of 27 dB from batt in isolation
- Fully supported with detailed drawings and installation instructions, including service penetration guidance
- Meets requirements of BS EN 13501-2:2023, providing a tested and certified solution as part of a **FIREFLY**® system

TITLE	**FIREFLY**® FB180 Ablative Batt Loaded Floor System 60mm
DESCRIPTION	Easy-to-install fire-rated system for loadbearing timber floors, providing 60 minutes loadbearing capacity, integrity, and insulation
TESTING	Meets requirements of BS EN 1365-2:2014 – REI 60 (Loadbearing Capacity, Integrity & Insulation)
CERTIFICATION	Classification Report No. WF551857 (Issue 1) – REI 60 to EN 13501-2:2023. 3rd-party certification under application via IFCC Scheme (IFCC 1983)
APPLICATION	Floor use only. Tested for penetrations - see installation drawings for specific details. Refer to FIREFLY® FB180 Ablative Batt 60mm. Floor System Data for VERTICAL use or visit the FIREFLY® website / loaded floors.
PROPERTIES	Layered mineral fibre, ablative coating on both sides, white appearance. Density 180kg.m-3
ACOUSTICS	27dB sound reduction
DIMENSIONS	1200 x 600 x 60mm
PACKAGING	Supplied bagged to provide protection in transit and on site. Do not allow the batt to be exposed to rain or prolonged wet conditions.
LIMITATIONS	Not to be installed in areas of RH >85% Storage: cool, dry place – protect from frost

V1.1 January 2026

FIREFLY™ cavity barrier products must be installed in compliance with the FIREFLY™ Installation Guide, which is provided upon request. For larger installations, refer to the relevant product drawings 017 & 018. Contact the manufacturer for clarification on non-standard installations. Deviation from these drawings should not be carried out without written authority from the FIREFLY™ Technical Department. All figures quoted are nominal, believed to be true at the time of printing and are presented without guarantee. It is up to the user to determine the suitability of use.

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