

FB750 Intubatt

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Description

FB750 Intubatt is a lightweight fire barrier comprising of a rock mineral fibre board with an uniquely identifiable ablative coating, containing Optifire unique traceability identifier.



Features and Benefits

- Up to 4 hours fire resistance - Tested to EN 1366-3
- For use in openings up to 6.76m²
- Acoustic & smoke sealing
- Air pressure tested up to 2000 Pa
- Suitable for use in flexible & rigid walls, rigid floors and under timber floors, CLT walls, white walls
- Simple to install
- Allows for the thermal expansion of the services in ambient conditions
- Optifire® unique traceability identifier brings assurance of compliance and can reduce building insurance rates
- Environmental Product Declaration (EPD) available

Usage Purpose

FB750 Intubatt is designed to reinstate the fire performance of compartment walls and floors which have been breached by penetrating services, providing a fire, smoke, thermal, acoustic and air pressure seal.

FB750 can be used on flexible walls & rigid walls (70mm or wider), rigid floors (100mm or wider), beneath raised access floors / suspended floors and ceiling voids, CLT walls & floors, white walls, to reinstate a breached fire compartment.

FB750 Intubatt has been tested in conjunction with Nullifire closer devices (FS709 HP, FP302 Intustrap, FP220 Service Sleeve, FP170 Intucollar, FS719 Blue, FP333 Trunking Infill), to seal penetrating combustible services & conduits such as PVC, PE, PP, HDPE, PPR, PEX, PB, Uponor and combustible ducting, electrical trunking, and combustible insulation around pipes, multiple busbars.

FB750 may be used without a closer device for sealing around the following service types: non-combustible pipes, non-combustible pipe insulation, cable trays, ladders and baskets (perforated or non-perforated), armoured cables, data cables, HV cables, cable bundles up to 100mm, single busbar.

FB750 has also been tested to fire protect the underside of loaded timber floors for up to 120 minutes (BS 476 Pt 21).

Typical areas of use include: health and leisure facilities, schools, universities, modular construction, commercial buildings, hospitals, retail and industrial units, train stations, nuclear power plants, etc...

Technical Data Sheet

FB750

Intubatt

Packaging

Supplied individually in clearly identifiable packaging.

48 batts per pallet

Dimensions 1200 x 600 x 50mm (+/-3mm)

Available Colour

White

Traceability & Product Identification

Nullifire is bringing unique identification technologies to the market by offering architects, specifiers, main contractors, and applicators guaranteed traceability of product on-site. Our traceability technologies are not visible to the naked eye and do not affect performance or product aesthetics.

FB750 features Optifire technology, a unique UV technology, activated by exposing the products surface to a UV light source, which offers easy & instant product identification.

Storage

Store in dry conditions between -10°C and +70°C. Do not store directly on concrete floors.

Certificates & Approvals

ETA 21/0412

CE 2821-CPR-0200

UKTA 0843-UKTA-22/0061

UKCA 0843-CPR-1252

UL-EU-01058-CPR

FB750

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Technical Characteristics

Composition		Compressed rock fibre, coated both sides with 1mm ablative coating (WFT)
Acoustic Rating	EN ISO 10140:2-2010	2 Layers of Intubatt (140kg/m ³):57 dB; 2 Layers of Intubatt (180kg/m ³):59 dB; 1 Layer Intubatt (140 kg/m ³): 36dB
Density		>140 kg/m ³ (180 kg/m ³ on request)
Reaction To Fire	EN 13501-1	Euroclass E
Durability	EN 13162, EN 14303, EN ISO 1519	Type Z1: intended for use at internal conditions with high humidity, excluding temperatures below 0°C, rain and UV (also covers type Z2)
Air Permeability	EN ISO 1026	Air pressure tested up to 2000 Pa
Thermal Conductivity	EN 6946	0.036 W/(m.K)
Application Temperature		+5°C to +60°C
Service Temperature		Maximum +500°C (discoloration may occur from +70°C)
Environmental Performance		EPD available
Storage		Store in dry conditions between -10°C and +70°C. Do not store directly on concrete floors.
Shelf Life		Unlimited when stored as recommended.
Cleaning		Immediately remove all excess sealant and masking tape before cure. Clean tools in warm water. Cured sealant can only be removed mechanically.

Substrate Preparation

All surfaces must be clean and sound, free from dirt, grease and other contamination.

Necessary Tools

- Appropriate cutting tool (mineral wool knife, hand saw, etc...)
- Tape measure, marker, compass
- Sealant caulking gun
- Spatula, brush
- Masking tape (only if a decorative edge is required)
- Powerdrill/driver or screwdriver (only for pattress fit)

Protective Equipment

Ensure all recommended protective equipment is worn during handling & use of this product. For full recommendation, refer to safety data sheet.

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Preparation

Ensure all services passing through the compartment penetration are suitable for use with FB750 and have been installed to the satisfaction of all relevant parties (we recommend checking TDS's as supplied by the manufacturer of the service for all other considerations).

Identify all services types and ensure you have the required suitable Nullifire ancillary products available (e.g. FS709 HP).

If a sharp perimeter line is required, use a suitable masking tape 25mm from edge of opening.

Application

Ensure suitability of the opening for your chosen installation type, service type, etc...

Depending on the penetrating services, refer to ETA n°21/0412, to determine any requirement for an additional Nullifire product.

Compression fit installation:

Measure the dimensions of the opening perimeter.

Transfer these dimensions to the FB750 adding 2 to 3mm of compression on at least 2 opposing sides.

Measure the dimensions and locations of the services.

Transfer these measurements to the FB750 allowing for space to install the required amount of additional Nullifire product (FS709, FP302, etc..).

Cut the FB750 to size using a suitable tool (keep the number of cuts to a minimum).

You can carry out a dry trial fit to ensure that the FB750 seal will be securely held in place.

Once you have ensured the FB750 cuts suitably fit the penetration opening, apply either FS702 Intumastic 10mm bead to centre of all joints or mating edges, or a coat to full width of FB750 using FS712 Intucoat Brush.

Insert the FB750 pieces to the required location within the opening.

Ensure completeness of seal of the joints between the FB750, substrate and services using FS702 Intumastic or FS712 Intucoat Brush (on both sides of the FB750 if access permits). Any damage that occurs to the FB750 face should be made good using FS702 or FS712.

Check that FS702 / FS712 is sufficiently applied and fills all visible gaps, to ensure effective fire and smoke resistance, as well as optimum acoustic performance.

If double compression fit is required, joints should be staggered where possible and the inner faces bonded together using FS702.

Repeat to both sides of the seal.

Pattress fit (surface mounted) installation:

Measure the dimensions of the opening perimeter.

Transfer these dimensions to the FB750 adding a minimum 75mm overlap to all sides.

Allow for space to install the required amount of additional Nullifire product (FS709, FP302, etc..).

Cut the FB750 to size using a suitable tool (keep the number of cuts to a minimum).

If the pattress interface is adjacent to a ceiling or an opposing direction wall, width of the FB750 should be fully abutting and sealed using FS702 Intumastic.

Once you have ensured the FB750 cuts are suitable, apply on the FB750 a 10mm continuous bead of FS702 Intumastic at mid-point of the measured overlap.

Locate the FB750 around the penetration, applying pressure to the mastic bead on the support to temporarily hold the FB750 in place.

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Fix the FB750 to the substrate using suitable fasteners at max 200mm centres, 5mm to 65mm from edge of batt, max 50mm from joints.

Ensure all batt to batt joints are fully sealed using FS702 Intumastic.

Ensure completeness of seal of the joints between the FB750, substrate and services using FS702 Intumastic or FS712 Intucoat Brush (on both sides of the FB750 if access permits). Any damage that occurs to the FB750 face should be made good using FS702 or FS712. Coat all exposed raw edges if required, using FS712.

Check that FS702 / FS712 is sufficiently applied and fills all visible gaps, to ensure effective fire and smoke resistance, as well as optimum acoustic performance.

Repeat to both sides of the seal.

Tool Cleaning

Immediately remove all excess sealant and masking tape before cure. Clean tools in warm water. Cured sealant can only be removed mechanically.

Please Note

FB750 Intubatt requires the use of FS702 Intumastic and FS712 Intucoat Brush for adhesion, bonding and sealing.

If access to seal is only available from a single side, contact Nullifire Technical team for fully tested details.

This product should not be in direct contact with CPVC pipes; FS719 HP Blue for CPVC should be used on the full depth of the FB750 Intubatt, to the correct annular space.

If used around Pegler X-Press Carbon Steel pipes, the pipe manufacturer should be consulted, and their recommendations followed.

Maintenance

No maintenance required after installation. Routine inspection recommended to ensure no damage to the system.

Guarantee / Warranty

Tremco CPG UK Limited products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with Tremco CPG UK Limited written instructions and (b) in any application recommended by Tremco CPG UK Limited, but which is proved to be defective, will be replaced free of charge.

No liability can be accepted for the information provided in this leaflet although it is published in good faith and believed to be correct.

Tremco CPG UK Limited reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.

It is a requirement of the installer to ensure suitability and compatibility of all elements before installation commences and that compliance can be achieved as required.

Technical Data Sheet

FB750

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Health And Safety Precautions

Safety data sheet must be read and understood before use.

Technical Service

Tremco CPG UK Limited has a team of experienced Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information, service and advice, please call Customer Services on 01942 251400

Certification

