

## FB770

### Intudeck - Timber Floor Upgrade

09-04-2025 / V 1

#### Description

FB770 Intudeck is a rock mineral fibre board coated on one side with a smoke and fire resistant ablative coating, containing Optifire unique traceability identifier.



#### Features and Benefits

- Up to 90 minutes fire resistance (EI 90) - Tested to EN 1365-2 (loaded floors : 1.4 kN/m<sup>2</sup>), BS 476 Pts 20-22 (non loaded floors) and to EN 1366-3 (service penetrations)
- Simple installation method
- Ideal where decorative ceilings cannot be disturbed
- or accessed due to lower floor occupancy
- 48 dB acoustic performance (within timber joisted floor), 79 dB impact sound performance
- Optifire® unique traceability identifier
- No additional support required
- Lightweight product

#### Usage Purpose

FB770 Intudeck may be used to upgrade the compartment capability to 90 minutes fire integrity and insulation (EI 90) whilst maintaining the load capability of the floor.

FB770 is often used above ornate lathe and plaster ceilings within heritage homes but is also suitable for use in small units such as flats above shopping facilities or multi-occupancy building conversions.

In conjunction with other Nullifire products, FB770 is service receiving and can accommodate both combustible and non-combustible services.

#### Packaging

Supplied individually in clearly identifiable packaging.

34 batts per pallet

Dimensions 1200 x 600 x 70mm (+-3mm)

#### Available Colour

White (coated one side only)

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#### 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.

FB770 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 20/0939

#### Technical Characteristics

Composition		Compressed rock fibre, coated with 1mm ablative coating
Acoustic Rating	EN ISO 10140:2-2010 EN ISO 140-3	Up to 48 dB (acoustic performance, within timber joisted floor) Up to 79 dB (impact sound performance)
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)
Service Temperature		Maximum +500°C (discoloration may occur from +70°C)
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

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#### Protective Equipment

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

#### Preparation

Ensure relevant safety risk assessment has been carried out due to risk of installer falling through a non loadcapable ceiling. Lift sufficient floorboards and ascertain joists dimensions and centres.

Clear any remaining debris from the ceiling/floor void and clear dust from the sides of the joists to improve the adhesion of FS702.

Ensure care is taken not to disturb ceiling, electrical, gas, water or other services within the floor void.

Ensure all services passing through the compartment penetration are suitable for use with FB770 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).

#### Application

Apply a continuous 10mm bead of FS702 30mm up from the ceiling (this is to allow for cable runs, etc). If adhesion is difficult, a light water mist applied to the timber will assist.

All FB770 butt joints must be bonded using FS702. The FB770 product should be cut 2-3mm oversize to ensure a tight/compressed fit between joists.

FB770 end position must be ensured to sit onto the required FS702 bead.

Measure the gap between joists and cut FB770 along the 1200mm side to fit tightly and under compression. (Off-cuts may be used to joist/wall interfaces at the end of runs.)

Place in position at 22°-45° between joists. Using a timber board to spread the load, ease into final position using gentle foot pressure. If herringbone bracing is evident, this must be notched out of the FB770 and additional cover piece of FB770 placed over the joint, extending 70mm to both sides of the bracing (ad hoc detail, please contact technical for further information).

When finally positioned, apply a 5mm bead of FS702 all round the seal and on the butt joints and tool to finish. (This is to create a cold smoke seal.)

Inspect and ensure compliance to our instructions.

Replace removed floorboards.

#### Tool Cleaning

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

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#### Please Note

FB770 has been tested in a loaded robust floor detail, using a joist size of 196 x 45mm (tested to EN 1365-2). This joist size may be increased without assessment, but not reduced. For joist reduction, a structural engineer will be required. FB770 has also been tested in a non-loaded robust floor detail, using a joist size of 160 x 48 mm (tested to BS 476 Pts 20-22). This joist size may be increased without assessment, but not reduced. For joist reduction, a structural engineer will be required.

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 FB770 Intudeck, 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.

#### 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

Technical Data Sheet

# FB770

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### Certification

