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designated according to Article 29 of the Regulation (EU) No 305/2011 and member of EOTA (European Organisation for Technical Assessment, www.eota.eu)

European Technical Assessment

**ETA 20/0939
of 21/12/2020**

Technical Assessment Body issuing the ETA and designated according to Article 29 of the Regulation (EU) No 305/2011: **UL International (UK) Ltd**

Trade name of the construction product

Nullifire FB770 Intudeck

Product family to which the construction product belongs

Fire Protective Products:
• Fire Protective Board

Manufacturer

TREMCO CPG UK Ltd
Coupland Rd
Hindley Green
Wigan
WN2 4HT

Manufacturing plant(s)

TREMCO CPG UK Ltd
Coupland Rd
Hindley Green
Wigan
WN2 4HT

This European Technical Assessment contains

9 pages including 2 Annexes which forms an integral part of this assessment.

This European Technical Assessment is issued in accordance with regulation (EU) No 305/2011, on the basis of

EAD 350142-00-1106, September 2017

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I. SPECIFIC PARTS OF THE EUROPEAN TECHNICAL ASSESSMENT

1 Technical description of the product

- 1) Nullifire FB770 Intudeck is a fire protective board comprising stone wool with an ablative coating to one face and its intended use is to protect building elements against fire or to be used in building assemblies. Specifically, the intended use of the Nullifire FB770 Intudeck is to protect wood floors with lath and plaster ceilings.
- 2) Nullifire FB770 Intudeck is supplied as rigid panels in nominal sizes of 1200 mm x 600 mm with a nominal density of 140 kg/m³ and a nominal thickness of 70 mm. The boards are cut to size and installed between the joists, 30 mm above with wood laths using Nullifire FS702 sealant.
- 3) The applicant has submitted a written declaration that Nullifire FB770 Intudeck does not contain substances which have to be classified as dangerous according to Directive 67/548/EEC and Regulation (EC) No 1272/2008 and listed in the "Indicative list on dangerous substances" of the EGDS - taking into account the installation conditions of the construction product and the release scenarios resulting from there.

In addition to the specific clauses relating to dangerous substances contained in this European technical Assessment, there may be other requirements applicable to the products falling within its scope (e.g. transposed European legislation and national laws, regulations and administrative provisions). In order to meet the provisions of the Construction Products Regulation, these requirements need also to be complied with, when and where they apply.

2 Specification of the intended uses of the product in accordance with the applicable European Assessment Document: EAD 350142-00-1106

Detailed information and data is given in Annex A-C.

- 1) The intended use of Nullifire FB770 Intudeck is use category Type 1 as defined in EAD 350142-00-1106 (Fire protective products as a horizontal membrane protection).
- 2) The provisions made in this European Technical Assessment are based on an assumed working life of the Nullifire FB770 Intudeck of 10 years, provided that the conditions laid down in the product datasheet for the packaging/transport/ storage/installation/use/repair are met. The indications given on the working life cannot be interpreted as a guarantee given by the producer, but are to be regarded only as a means for choosing the right products in relation to the expected economically reasonable working life of the works.
- 3) Nullifire FB770 Intudeck has been assessed for internal use conditions defined in EAD 350142-00-1106 for Type Z₁ environmental conditions.

3 Performance of the product and references to the methods used for its assessment

Product-type: Protective Board		Intended use: Fire protective products to protect load-bearing concrete elements
Basic requirement for construction work	Essential characteristic	Performance
Safety in case of fire		
EN 13501-1	Reaction to fire	Class E
EN 13501-2	Resistance to fire	Annex B
EN 13162 or EN 14303	Durability and serviceability	Z ₁
Hygiene, health and environment		
EN 12467	Water permeability	No performance determined
Declaration of manufacturer	Release of dangerous substances	Declaration of manufacturer
Safety and accessibility in use		
EN 12089	Flexural strength	No performance determined
EN 1604	Dimensional stability	No performance determined
Energy economy and heat retention		
EN 12667, EN 12939 or EN 993-14	Thermal resistance	No performance determined
EN 12086	Water vapour transmission coefficient	No performance determined

4 ASSESSMENT AND VERIFICATION OF CONSTANCY OF PERFORMANCE (HEREINAFTER AVCP) SYSTEM APPLIED, WITH REFERENCE TO ITS LEGAL BASE

According to the decision 1999/454/EC – Commission Decision of date 22nd June 1999 on the procedure for attesting the conformity of construction products pursuant to Article 20(2) of Council Directive 89/106/EEC as regards fire stopping, fire sealing and fire protective products, published in the Official Journal of the European Union (OJEU) L178/52 of 14/07/1999, see <https://eur-lex.europa.eu/oj/direct-access.html> of the European Commission¹, as amended, the system(s) of assessment and verification of constancy of performance (see Annex V to Regulation (EU) No 305/2011) given in the following table(s) applies (apply).

Product(s)	Intended use(s)	Level(s) or class(es)	System(s)
Fire Protective Products	For fire compartmentation and/or fire protection or fire performance	Any	1

5 Technical details necessary for the implementation of the AVCP system, as provided for in the applicable EAD

Tasks of the manufacturer:

Factory production control

The manufacturer shall exercise permanent internal control of production. All the elements, requirements and provisions adopted by the manufacturer shall be documented in a systematic manner in the form of written policies and procedures, including records of results performed. This production control system shall ensure that the product is in conformity with this European technical Assessment.

The manufacturer may only use initial / raw / constituent materials stated in the technical documentation of this European Technical Assessment.

The factory production control shall be in accordance with the Control Plan of 27th April 2017 relating to the European technical assessment ETA 20/0939 issued on 21/12/2020 which is part of the technical documentation of this European technical assessment. The "Control Plan" is laid down in the context of the factory production control system operated by the manufacturer and deposited at UL International (UK) Ltd.

The results of factory production control shall be recorded and evaluated in accordance with the provisions of the Control Plan.

¹ Official Journal of the European Communities L178/52 of 14/7/1999

Other tasks of the manufacturer

Additional information

The manufacturer shall provide a technical data sheet and an installation instruction with the following minimum information:

(a) Technical data sheet:

- Field of application:
- Building elements for which the protective board is suitable, type and properties of the building elements like minimum thickness, density, and - in case of lightweight constructions – the construction requirements.
- Limits in size, minimum thickness etc. of the protective board
- Construction of the protective board including the necessary components and additional products (e.g. steel anchor) with clear indication whether they are generic or specific.

(b) Installation instruction:

- Steps to be followed
- Stipulations on maintenance, repair and replacement

6 Issued on: 21st December 2020

Report by:



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Reviewed by:



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For and on behalf of UL International (UK) Ltd.

Annex A – Technical Characterisation of the Product

A.1 Dimensions and density

Density: 140 kg/m ³			
Tolerance on the weight: ± 5%			
Tolerance on the length and width: ± 3mm			
Tolerance on the thickness and width: ± 3mm			
Length - mm	Width - mm	Thickness - mm	Weight kg/m ²
1200	600	70	9.8

A.2 Finishings

The finishing is an ablative coating and has been evaluated against ETAG No. 026: Part 2 (used as EAD) and is the subject of ETA 17/0392 (as a component).

A.3 Jointing material

Nullifire FS702 sealant has been evaluated against ETAG No. 026: Part 3 (used as EAD) and EAD 350454-00-1104 and is the subject of ETA 17/0390 and ETA 19/0609 respectively.

Annex B - Fire Resistance Performance

B.1 Specification of wood floors that can be classified when protected by Nullifire FB770 Intudeck

<u>Item</u>	<u>Description</u>
Floor Joists	
Material	Wood
Grade	Min. C24 (BS EN 519)
Density	Min. 511 kg/m ³
Size	Min. 45 mm x 196 mm
Joist centres	Max. 600 mm
Floor Boards	
Material	Tongue and groove chipboard
Thickness	Min. 22 mm
Fixing	60 mm x 6 mm countersunk steel screws to floor joists at 300 mm centres
Lath and plaster ceiling	
Wooden lath	25 x 5 mm pinned at every joist with 2nr. steel staples, laths separated by 5mm
Plaster	Gypsum plaster trowled over lath with firm pressure to min. 2mm depth

B.2 Nullifire FB770 Intudeck protection

<u>Item</u>	<u>Description</u>
Installation method	
1.	Apply 10 mm bead of Nullifire FS702 to vertical edges of floor joists and noggins 30 mm above the ceiling
2.	Cut Nullifire FB770 Intudeck 2-3mm oversize to aperture between joists/noggins
3.	Point butt joints between boards using a 10mm bead Nullifire FB770 Intudeck
4.	Compression fit Nullifire FB770 Intudeck board between joists/noggins with 2mm oversize board to measured joist space, coated face up and inserted to contact depth with Nullifire FS702 bead.
5.	Finish joints to all abutments on top face with 10 mm bead of Nullifire FS702

B.3 Classification of assembly to EN 13501-2: 2016

REI 90

B.4 Illustration of assembly

