

TBA FIREFLY VERTICAL FIRE BARRIER BPIR DECLARATION

Version 1.0 December 2023



DESIGNATED BUILDING PRODUCT: Class 1

DECLARATION

Tasman Insulation Ltd T/A Comfortech® Building Performance Solutions (Comfortech®) has provided this declaration to satisfy the provisions of the [Building \(Building Product Information Requirements\) Regulations 2022](#).

COMPANY DETAILS

Name	Tasman Insulation Ltd T/A Comfortech® Building Performance Solutions
Role	Supplier
NZBN	9429037894139
Address	9-15 Holloway Place, Penrose, Auckland 1061
Website	www.comfortech.co.nz
Email	technicalsupport@comfortech.co.nz
Phone	0800 454 000

DESCRIPTION OF BUILDING PRODUCT

Comfortech® supplies two TBA Firefly vertical barrier passive fire systems; Firefly Titan and Firefly Plus 60.

These systems must be used in their entirety, and must be specified by a Fire Engineer with reference to *Warringtonfire - the fire resistance performance of TBA Firefly Titan and TBA Firefly Plus 60 vertical fire barriers (Report number 22766, rev SFA3.0, 22/11/2019)*.

The systems prevent the spread of smoke, flames and heat through walls and voids. They form part of a fire rated barrier that contributes to the creation of fire cells or the compartmentalisation of a building from a fire perspective.

The two systems differ only in terms of the primary component - the flexible wrap.

- Firefly Titan flexible barrier comprises 4 layers **Firefly Phoenix** with 3 intermediate layers of **E Glass** needlefelt blanket. The needlefelt fabric and Phoenix layers are adhered with thermoplastic adhesive. The flexible barrier has a thickness of 15 mm and weight of 3.9 kg/m².
- Firefly Plus 60 flexible barrier comprises 2 layers **Firefly Phoenix** with 2 intermediate layers of **E glass** needlefelt blanket. The flexible barrier has a thickness of 10 mm and weight of 2.2 kg/m².

The Firefly Titan and Firefly Plus 60 systems also include the following products,

- **Nullifire FS702** - a water-based intumescent, acrylic sealant which cures to a firm, but flexible fire seal.
- **TBA Firefly Penwrap (12 mm)** - a wrap for covering exposed timber or steel framing at the head of an installation to a depth of 300 mm.

If installed in accordance with the Warringtonfire report, the systems will deliver the following fire resistance performance.

Barrier material	Height between vertical support of barrier	FRL
Firefly Titan	6.3 m	60/60/60
Firefly Titan	3 m	-/120/120
Firefly Plus 60	3 m	30/30/30
Firefly Plus 60	3 m	-/60/30

Firefly is manufactured by [TBA Protective Technologies Ltd](#) which is part of the [Fothergill Group](#).

CONTRIBUTION TO BUILDING WORK CODE OBLIGATIONS

Comfortech® rely on the assurance provided by TBA Protective Technologies Ltd in making the following claims.

The Firefly Titan and Firefly Plus 60 vertical barrier systems comply with,

- B1 (Structure): B1.3.1, B1.3.2, B1.3.3 (a, q)
- B2 (Durability): B2.3.1 (a)
- F2 (Hazardous Building Materials): F2.3.1

When installed, the Firefly Titan and Firefly Plus 60 vertical barrier systems will contribute to compliance with,

- C2 – C6 (Protection From Fire), performance clauses as applicable.

ADDITIONAL INFORMATION

The Firefly Titan and Firefly Plus 60 vertical barrier systems must be installed and maintained with all Comfortech® requirements.

For all design, installation, and maintenance-related information and for information supporting Comfortech® claims, refer to www.comfortech.co.nz.

RESPONSIBLE PERSON

In accordance with Regulation 8, as the responsible person, I confirm that the information supplied in this declaration is based on information supplied to the company as well as the company's processes and is, therefore, to the best of my knowledge, correct.

I can also confirm that the Firefly Titan and Firefly Plus 60 vertical barrier systems are not subject to a ban or warning under [s26 of the Building Act](#).

Signed for and on behalf Tasman Insulation Ltd T/A Comfortech® Building Performance Solutions:

Todd Lindsay

Todd Lindsay
BUILDING PERFORMANCE & TECHNICAL MANAGER

December 2023