

Frontwood®

Fireshield Frontwood® is a CLT panel manufactured from three layers of solid Spruce timber. The finished panel is treated with WoodSafe PRO and provides a Group 1-S fire rated solution. No on site fire treatment is required.

PRODUCT INFORMATION

RECOMMENDED USE

Frontwood® timber panels are designed to be used as internal wall and ceiling linings and achieve a **Group 1-S** surface fire rating.

Frontwood® timber panels are treated with WoodSafe - Interior PRO and can be used in the following environments in accordance with EN16755:

- Dry internal environments with a maximum constant relative humidity of 75%.

Frontwood panels are durable, stable and resistant to challenging interior environmental conditions.

COATINGS

If required, Frontwood® timber panels can be coated with Fireshield® approved Resene® stains, penetrating oils, paints, polyurethanes and varnishes. For the approved coatings contact Fireshield.

- The surface to be coated is completely clean and dry. Remove all dust, oil, grease, loose material or other contaminants.
- Frontwood timber panels can be lightly sanded prior to coating. Moisture content of the timber should not exceed 12-14% prior to coating.
- Follow the coating technical data sheet for product application instructions.
- Fireshield® approved coatings are tested for fire performance. Fireshield® is not responsible for any unexpected discolouration or inconsistencies in the visual appearance that may occur using an approved coating.

STORAGE

Frontwood® fire rated timber panels should be stored flat to acclimatise in the same environment they will be permanently installed in before fitting to avoid cupping and shrinkage.

Frontwood® panels should not be stored or exposed to extreme conditions during storage and transport such as abrupt changes in moisture or temperature, direct sunlight, rain, high temperatures, etc.

DURABILITY

When stored, installed and maintained in accordance with this document, the fire protection properties are maintenance free for the lifetime of the timber. The Fireshield treatment process does not decrease the service life of the timber species.

MAINTENANCE

The fire rating does not require maintaining and never has to be redone. Frontwood panels will age and behave the same as untreated timbers of the same species. The fire protection system has the ability to resist minor contact with moisture, impact and abrasion.

Coatings applied to Frontwood panels will need to be maintained as per the coating manufacturers technical specifications.

SUPPLIER :

Fireshield® New Zealand

825 Colombo Street

Christchurch 8013, New Zealand

Ph: 0800 347 374 www.fireshieldcoatings.com

Manufactured by:



TECHNICAL INFORMATION

Wood Species	Spruce
Gluing	DIN 68705 part 2 AW100, ONORM B3022 type VF
CE Certification	EPH Dresden to EN 13986 SWP/2 L3/L5
Length Options*	2500mm 5050mm
Width Options	1025mm 2050mm
Panel thickness	12, 16, 19, 22, 27, 32, 40, 42, 50, 60mm
Lamella width	Approx. 120mm.
Surface Quality	B/C +, sanded on both sides K 80.
Moisture Content	12-14% ex factory.
Edge	Tongue and groove 2 sides (TG2) or straight edge.
Screw Fixing	Stainless 316 screws or nails.
Hidden Clip Fixing	Steel 22 x 913 x 2990mm clips.

* Custom lengths available contact Fireshield

COMPLIANCE

Tested to EN13501-1:2010 and achieves Fire Class B-s1-d0. This is recognised as equivalent to Group 1-S under the NZBC Clause 3.4(a) providing compliance with NZBC C/AS1-C/AS7.

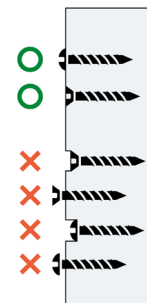
INSTALLATION

SCREW OR NAIL

Use 316 stainless steel fixings when using screws or nails, the head of the fixing should sit flush with the surface of the timber. Direct fix to timber or steel framing or over existing linings.

Drilling and creating perforations or holes is acceptable. Frontwood off cuts are safe to be collected and disposed of as per untreated timber regulations and guidelines.

All work involving this product should be compliant with all relevant National Health, Work Safety & Environmental standards and regulations for timber products. For example wear dust mask, eye protection and gloves when handling and cutting timber.



HIDDEN CLIP FIXING

For a visually clean surface, Frontwood panels can be installed using a hidden clip system. For this installation method, standard steel clip size of 22 x 913 x 2990mm can be used on panels up to 2000mm wide.



Image courtesy of Sodra

SUSTAINABILITY

All Frontwood Panel timber products are certified by FSC and PEFC.