

FireZone™ VANGUARD FP is a natural and non-toxic factory processed fire retardant treatment system designed for both internal and external use, Type A & Group 1-S on locally supplied timber substrates.

RECOMMENDED USE

Located in New Zealand, we can fire rate many timber substrates supplied directly by your choice of local timber supplier. As the system is both non-toxic and durable, it can be used for both internal and external substrates. No change to the aesthetic of the timber substrate.

Timber must be supplied directly to Zone in its raw form for processing.

- Exterior – Fully exposed *Group 1-S, Type A, Type B*
- Interior – Moisture Rich Environments *Group 1-S*
- Interior – Dry Environments *Group 1-S*

SUSTAINABILITY

- 100% Natural substances
- 100% Biodegradable
- Non-toxic
- No contents listed on the SVHC – List of substances of very high concern- REACH
- Cradle to Cradle Certified – Gold Level
- pH Neutral
- Does not induce corrosion on fixings
- Zero VOC emissions

DURABILITY – FIRE PERFORMANCE

VANGUARD FP fire retardant does not add or detract from the natural durability of timber.

MAINTENANCE

The fire performance of VANGUARD FP treated timber will last for the life time of the timber substrate. According to EN16755:2017: No maintenance of the system is required. Please refer to timber suppliers for timber substrate maintenance requirements. Exterior coating and stain maintenance must be strictly adhered to.

FIXINGS

Stainless fixings must be used for VANGUARD FP treated timbers.

COATINGS

A range of typically specified coatings are compatible with the VANGUARD FP system. Please contact Zone for a up to date list of compatible coatings or stains.

For external use, VANGUARD FP treated timber must be factory coated with an external oil prior to delivery to site, with cut ends coated onsite prior to install.

TIMBER SPECIFICATION

VANGUARD FP is a fire rating solution, all technical specifications for your internal timber linings, or external timber cladding must be advised through your choice of local timber supplier.

VANGUARD FP SPECIFICATION

VANGUARD FP can be specified using Masterspec section 6742FB which can be linked directly to your chosen timber suppliers Masterspec section. Contact Zone for specification assistance.

FIRE PERFORMANCE

Exterior Cladding – Type A

Compliant to NZBC C/AS1 in accordance with Table 5.1 requirements for external cladding and NZBC C/AS2 in accordance with Table C1.3 to a Type A classification according to report BC-2057-2023.

Exterior, interior moisture rich and interior dry environments – Group 1-S

Tested to ISO5660-1, EN13501-1:2018 and EN16755:2017 and compliant with NZBC C/AS2 Clause 4.17 achieving a Group 1-S classification.

TIMBER SPECIES

Exterior Cladding – Type A

For exterior cladding either of the following timber species are available with a minimum thickness of 16mm:

- Hermpac's Western Red Cedar
- JSC's TMT Taiga
- Thermally Modified Nordic Pine

Exterior and interior moisture rich environments – Group 1-S

The choice of timber species is crucial for external use – specify external timber substrates through your choice of local timber supplier with confidence. Please see below a list of suggested substrates for external use, this is not exhaustive (general minimum thickness of $\geq 12\text{mm}$):

- Western Red Cedar (min thickness $\geq 9\text{mm}$)
- Accoya/ Accoya Grey
- JSC's TMT Taiga
- JSC's TMT Taxon
- TMT Ash
- JSC's TMT Amba
- TMT Spruce
- Abodo Vulcan
- Alaskan Yellow Cedar

Interior dry – Group 1-S

Please see below a list of suggested substrates for internal use, this is not exhaustive (general minimum thickness of $\geq 12\text{mm}$):

Timber Species – Panels, Cladding and Battens:

- Western Red Cedar (min thickness $\geq 9\text{mm}$)
- Accoya / Accoya Grey
- Ashin
- JSC's TMT Taiga
- JSC's TMT Taxon
- Pine Radiata
- TMT Ash
- TMT Spruce
- JSC's TMT Amba
- Spruce
- Larch
- Abodo Vulcan
- Truwood
- Alaskan Yellow Cedar
- Western Hemlock

Plywood Species:

- Pine Radiata
- Birch
- Poplar
- Hoop Pine
- Birch Veneer Poplar Core
- Eucalyptus

TERMS AND CONDITIONS

Please refer to Zone Architectural Products standard Terms and Conditions available at www.zone.net.nz