

FireZone™ VANGUARD SP is a natural and non-toxic factory processed fire retardant treatment system, designed for both internal and semi-external use, 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. The system can be used for both internal and semi-external substrates. Leaving a raw natural timber finish or stained with our range of available pigments.

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

- Interior – Moisture Rich Environments *Group 1-S*
- Interior – Dry Environments *Group 1-S*

SUSTAINABILITY

- Indoor Air Comfort® certified (Eurofins)
- LEED v4 certified (U.S. Green Building Council, Eurofins)
- M1 emission class
- CDPH (California CDPH Standard Method, Eurofins)
- pH Neutral
- Low VOC emissions

DURABILITY – FIRE PERFORMANCE

VANGUARD SP fire retardant does not add or detract from the natural durability of timber. The fire rating will last for the life-time of the timber substrate according to EN16755:2017, when kept out of direct external weathering.

MAINTENANCE

The fire performance of VANGUARD SP 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.

Surface salts may appear on VANGUARD SP treated timber a few months after treatment. This can be part of the normal curing of the system. Please wipe down with a damp rag.

FIXINGS

Stainless steel fixings are required for VANGUARD SP treated timber substrates.

TIMBER SPECIFICATION

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

VANGUARD SP SPECIFICATION

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

COATINGS

A range of pigments is available as part of the VANGUARD SP system.

VANGUARD SP is compatible with a range of specific stains. Please consult with one of our specialists for further information.

FIRE PERFORMANCE

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

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

Minimum substrate requirements:

- ≥9mm in thickness requires ≥338kg/m³ in timber density
- ≥12mm in thickness requires ≥278kg/m³ in timber density

TIMBER SPECIES

Exterior and interior moisture rich environments – Group 1-S

The choice of timber species is crucial for semi-external use – specify semi-external timber substrates through your choice of local timber supplier with confidence.

Please see below a list of suggested substrates for semi-external use, this is not exhaustive (minimum thickness of ≥9mm):

- Western Red Cedar
- Accoya/ Accoya Grey
- Sugi (>12mm)
- Taiga (Lunawood)
- Taxon (Tulipwood)
- Abodo Vulcan/ Nexus
- Alaskan Yellow Cedar
- TMT Hemlock

Interior dry – Group 1-S

Please see below a list of suggested substrates for internal use, this is not exhaustive (minimum thickness of ≥9mm):

Solid Timber:

- Western Red Cedar
- Accoya / Accoya Grey
- Sugi (>12mm)
- Ashin
- Western Hemlock
- Alaskan Yellow Cedar
- Rimu
- Kauri
- Pine Radiata

- Pine Radiata CLT
- Farmed Totara
- Montane Totara
- Macrocarpa
- Southland Maple Beech
- American White Oak
- Spruce
- Larch

Thermally Modified:

- Taiga (Lunawood)
- Taxon (Tulipwood)
- Abodo Vulcan/ Nexus
- TMT Western Hemlock
- Truwood
- TMT Ash
- TMT Spruce
- TMT Pine Radiata

Plywood:

- Pine Radiata
- Birch
- Poplar
- Gaboon
- Hoop Pine

TERMS AND CONDITIONS

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