

**WE RATE YOUR TIMBER PROJECTS
FOR FIRE**



FireZone™ Vanguard Fire Retardant Systems for Timber

- Group 1-S • Type A • Cradle to Cradle - Gold
- Interior Exterior • Invisible • Durable
- Local • Sustainable



zone™ 
architectural products

FireZone™ Vanguard Fire Retardant Systems for Timber

Zone continues its long tradition of delivering leading edge innovation for the NZ construction industry. FireZone Vanguard systems are the vanguard of the next generation.....

Invisible, durable, local and environmentally friendly, FireZone Vanguard Systems are factory applied fire retardant systems that achieve a Type A and a Group 1-S fire rating for your interior and exterior timber projects

FireZone Vanguard systems allow designers the freedom to express the natural warmth and beauty of timber in their projects. With choices in timber, choices in stain, choices to top coat - or not

It's suitable for internal and external use and offers exceptional durability – **FireZone Vanguard systems last the life of the timber and do not impact the timber's other attributes**

Using only materials that are found naturally in the environment, FireZone Vanguard systems penetrate and are absorbed into the timber, sitting passively for the life of the timber. In the case of fire, the retardants render the cells non-combustible by blocking oxygen consumption and creating a denser char layer that in turn reduces the flammability of the timber. The particles also release held moisture from within the timber cells which assists in countering heat from the fire

FireZone Vanguard does not improve or take away from the natural durability of the timber substrate. The fire performance of the treated timber will last for the life time of the timber substrate – according to EN16755:2017. No maintenance of the Vanguard system is required. Refer to timber suppliers for timber substrate maintenance requirements. FireZone Vanguard will bio degrade with the timber at the end of the life of the timber

Product Type	Fire Retardant Penetrant Systems for timber
Suitable For	Internal and semi external or fully external timber cladding
Fire Rating	Type A According to NZBC C/AS2 table C1.3 & C/AS1 Table 5.1 Group 1-S According to NZBC Clause 3.4(a) achieving classification through ISO 5660-1 and EN 13501-1:2018 Accelerated Weathering testing to ASTM D2898, EN16755:2017
Suitable substrates	Most common NZ timbers including plywoods – refer tested species at zone.net.nz/vanguard
Finish	Natural – no change to natural timber finish
Compatible	Selected optional finish coats Selected optional stains
Durability	Life of the timber without maintenance. Tested in accordance with EN16755:2017 and ASTM D2898. Vanguard systems do not alter the timber's other attributes and no maintenance of the FireZone Vanguard system is required
Process	Factory processed by Zone in Auckland, New Zealand
Sustainability	Cradle-to-Cradle GOLD Certification LEED 4 compliance 100% biodegradable 0%VOC pH neutrality non-toxic non-corrosive all natural substances
Limitations	While options provide flexibility, they also dictate that not all system attributes apply to all systems
Masterspec	Section 6743FB

Zone works closely with NZ's leading timber suppliers on fire rating their products. Specifiers should rely on the timber supplier for their knowledge and expertise. FireZone Vanguard systems add fire rating to their timbers.

FireZone Vanguard Timber Partners



p 0800 508 800
e info@zone.net.nz
w zone.net.nz