

WATER BASED SYSTEM

FLAT OR SATIN FINISH

FIREZONE™

FireZone™ 92 Clear Coat Intumescent for Group 1S on Timber

Achieves Group 1S, NZBC Clause c3.4(a) Internal Surface Linings on most timber substrates*

All water based, low VOC system - No solvent topcoat

Now with FLAT and SATIN topcoats

Tested, certified, approved and well proven in NZ

Pictured:

**Supreme Award Winner
2018 Interior Awards**

He Tohu Document Room
Studio Pacific Architecture

FireZone™ 92 on CNC cut
solid Rimu

Zone Architectural Products continues to innovate and lead the New Zealand market in clear intumescent coatings for interior timber linings, achieving the highest Group 1S rating on most timber substrates and now with a choice of sheen levels.

- ▶ Achieves Group 1S – the strictest rating, and therefore also achieves Group 2, 2S and 1 on most timber substrates*
- ▶ Low VOC / waterbased system
- ▶ Improved moisture resistance and added durability
- ▶ Spray, roll or brush application, on or off site
- ▶ Substantial track record of use in Europe and New Zealand
- ▶ Applied by Approved Applicators to ensure code compliance
- ▶ Can be applied over some stained or varnished substrates with the use of FireZone™ 92 Adhesion Primer
- ▶ Easy to specify - Masterspec section 6743ZF or www.zone.net.nz

***Limitations:** Interior use | Avoid wet areas | Timber substrate $\geq 12\text{mm}$ in thickness & $\geq 460\text{kg/m}^3$ in density (includes most common timbers but not cedar)

Please see reverse for technical compliance ▶

zone™
architectural products

Technical Compliance

Clear Intumescent Coating for Timber to meet the requirements of NZBC 3.4(A) – Internal Surface Linings

Zone Architectural Products Ltd are the sole importer and representative of FireZone™ 92, which is manufactured and tested in Europe. The product has been tested to EN 13501-1:2007 + A1:2009 and has achieved a B-s2-d0 reaction to fire classification when tested on 20mm spruce with a density of 460 kg/m³. As the tested substrate is a Type 2 substrate, from Table A2, Appendix C/VM2, Section A1.6 (reproduced below), the Group Rating classification determined is applicable to all Type 2 substrates, being 12mm or thicker timbers.

A1.6 Selecting a substrate for testing materials or coatings usually applied to a substrate

Materials or coatings that are usually applied to a particular substrate shall be applied to the appropriate substrate. Where the material may be applied to a variety of substrates, the substrate selected for testing shall be one which most closely represents the end use condition. The choice shall be based on Table A2. A test result for a material or coating tested on any one of the specified substrates may be also be used when the material or coating is applied to any other substrate of the same type or a less reactive type and of equal or greater density.

However, Table A2 only applies where the substrate is not modified by the application of a surface coating or treatment. Where the substrate is modified by a surface coating or treatment, through significant absorption of material into it, the coating and substrate should be specifically tested. Notwithstanding the above, a surface coating on any nominated substrate may be tested and a Group Number assigned as described in A1.2 or A1.3.T

Table A2: Selection of substrate:

Substrate type	Substrate material
1 (most reactive)	Timber, Standard grade plywood, hardboard, fibre/particleboard (where the substrate is less than 12 mm thick)
2	Timber, Standard grade plywood, hardboard, fibre/particleboard (where the substrate is 12 mm thick or greater)
3	Paper faced gypsum board products
4 (least reactive)	Concrete/masonry, fibre-reinforced cement board, non-paper faced gypsum boards

Based on the MBIE guidance published March 2015 “The correlation of wall and ceiling surface finishes derived from Australian or European classifications to the Group Number requirements of NZBC Clause 3.4(a) can, without the need for further testing, be taken as described in the following table:”

New Zealand Group Number according to NZBC Clause C3.4(a) using ISO 9705:1993	Australian Group Number according to NCC Specification C1.10 Clause 4 using AS ISO 9705:2003	European Classification using EN 13501-1: 2007
Group Number 1S	Group 1, and a smoke growth rate index not more than 100	Class A1, A2 or B and Smoke production rating S1 or S2
Group Number 1	Group 1	Class A1, A2 or B
Group Number 2S	Group 2, and a smoke growth rate index not more than 100	Class C and Smoke production rating S1 or S2
Group Number 2	Group 2	Class C

FireZone™ 92 therefore meets clause 3.4 (a) and achieves a Group 1S, 1, 2S and 2 rating on timbers 12mm or thicker and 460kg/m³ or greater.

Ensure that the use of the product is verified and approved by the project fire engineer and appropriate consultants. FireZone™ is a Registered trademark of Zone Architectural Products.



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Samples and project specifications are available by contacting Zone on 0800 508 800 or info@zone.net.nz



Masterspec section # 6742ZP