

FIREZONE™

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

Achieves Group 2, 2S, 1 and 1S on most timber substrates

All water based, low VOC system - No solvent topcoat

Tested, certified, approved and well proven in NZ

Low sheen, natural, clear finish

As the leading supplier of intumescent coatings in New Zealand, Zone Architectural Products has continued to innovate and lead the market with of this revolutionary low VOC waterbased system to achieve a Group 1S on most interior timber linings.

- ✦ Can be applied to most timber substrates to achieve Group 1S – the strictest rating, and therefore also achieves Group 2, 2S and 1
- ✦ Low VOC / waterbased system
- ✦ Spray, roll or brush application
- ✦ Can be applied on or off site
- ✦ Large projects can be quickly & efficiently coated
- ✦ Interior use only
- ✦ Substantial track record of use in Europe and New Zealand
- ✦ Applied by Zone's network of Approved Applicators to ensure code compliance
- ✦ Supplied by NZ's leading and most trusted supplier of intumescent coatings
- ✦ Can be applied over some stained or varnished substrates with the use of an adhesion primer
- ✦ Easy to specify - Masterpec section 6743ZF or www.zone.net.nz

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 and 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 to 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 and 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.