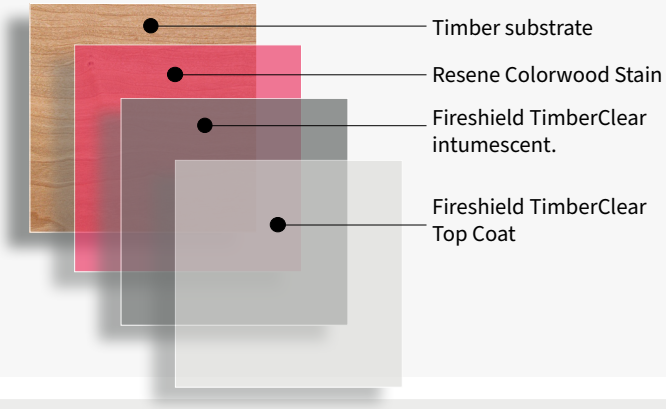
Fireshield®

SYSTEM SPECIFICATION SHEET

TimberClear + Top Coat + Stain

SYSTEM INFORMATION

- Resene Colorwood Stain + **TimberClear basecoat** (intumescent) **+ TimberClear Top Coat** (sealer)
- Fireshield timber intumescent system for dry **interior zones** on interior timber battens, wall and ceiling linings.
- Achieves **Group 1-S Surface Rating** to timber substrates. See Fireshield for C2 and C3 (ISO 12944-2) interior environments, areas where constant air humidity is over 75%.
- Only to be applied by Registered Applicators in accordance with Fireshield Application Instructions, TDS and MSDS.



System Name	TimberClear-NZ-02-C1
ISO 9223:2012 Zone	C1 Interior (Heated buildings with clean atmospheres, e.g. offices, shops, schools, hotels)
Substrate	Interior timber substrates ≥8mm thick + ≥338 kg/m^3 density. See TDS for full requirements.
TimberClear System Description	Fireshield® TimberClear is a single component, waterbased clear intumescent basecoat for the fire protection of interior timber. It must be top coated with TimberClear Top Coat. Fireshield TimberClear Top Coat is a single component, solvent based clear lacquer sealer for use over the TimberClear intumescent basecoat.

COATING SYSTEM

COAT	PRODUCT	TDS CODE	THINNER	APPLICATION	FILM BUILD	Clean Up
First Coat	Resene Colorwood	D50a	Water See TDS for maximum	Speed Brush / Spray	23 microns DFT	Water
Second Coat	TimberClear intumescent basecoat	TD-FSTCAUNZ-03	**DO NOT THIN**	Spray	**Minimum** 230 microns WFT (150 microns DFT)	Water
Third Coat	TimberClear Top Coat	TD-FSTOPNZ-05	Fireshield Thinner or Resene 7A	Spray	**Minimum** 70 microns WFT (30 microns DFT)	Fireshield Thinner or Resene 7A

SURFACE PREPARATION

All surfaces to be coated should be clean, dry and free from contamination including dirt, salts, oil and grease. If required, clean as per AS/NZS 2311 Sec 3.2.7, any contaminant left on the surface will affect the visual appearance of the Fireshield® timber ICS system. Timber must be allowed to equilibrate in a location protected from the weather to near its final in-service conditions, to avoid shrinkage or swelling after installation and coating. Dressed timber should be smooth, and free from raised or woolly grain, planing burrs, or other machining defects. The standard of finish should be appropriate to the end-use (see NZS 3610 and NZS 3617). Rough-sawn timbers should be thoroughly brushed with the grain to remove dust and dirt before coating.

* Spray application is always recommended, if application is by brush or roller, further coats may be necessary to achieve the recommended DFT.

** WFT is thickness of wet paint required to achieve the specified 'Dry Film Thickness' assuming no thinner is added.