

# Important information for the Cease-Fire Timber FR coating system and AS3959 compliance

Cease-Fire Technologies Ltd have developed and now supply a fire retardant paint system that has direct application in the protection of external timber buildings in bushfire prone locations as required by Australain standard *AS3959: Construction of buildings within bushfire prone areas.*

The following provides you with information pertinent to the product based on weathering and fire testing as called for within the AS3959 code.

## Protected from the weather

Cease-Fire Timber FR coating system complies with AS3959 and can be used on soft wood construction timbers protected from the weather and non trafficable timber surfaces during construction of buildings in designated bushfire prone areas. When fire tested using the cone calorimeter at CSIRO to AS/NZS3837 it met the heat release thresholds for both 10 and 25 kW/m<sup>2</sup>.

The definitions of timber protected from the weather are those as detailed in Appendix C of AS1684.2 and Appendix C of AS1684.3 (for example, cladding protected by a verandah). All these technical requirements can be found Clause 1.5.6 of Australian Standard AS3959.

## Areas Exposed to the Weather

For areas not protected from the weather as discussed above, AS3959 requires fire retarded treated timber to be subjected to an accelerated weathering regime of ASTM D 2898 Method B and then subjected to 10 and 25 kW/m<sup>2</sup> cone calorimeter fire testing using the same samples.

### Weathering

The Cease-Fire Timber FR coating system was subjected to the **ASTM D 2898 Method B** accelerated weathering testing at BRANZ and post test observations showed very little deterioration of the coating system and was reported as meeting the weathering demands.

### Fire testing after weathering

Cease-Fire FR Timber Coating System within the defined equipment bias + - allowances met with the heat release thresholds for both 10 and 25 kW/m<sup>2</sup> based on AS/NZS3837 Cone Calorimeter fire testing at BRANZ after the ASTM D 2898 Method B accelerated weathering testing discussed above.



## Important advice

Due to the complex nature of the overall approval process and the fact that this is a new area CFT would like to recommend that users consult with Council Building inspectors, Private Building Surveyors and as appropriate within your state Fire Service personnel for a project specific approval prior to application of the product to achieve compliance with fire retarded timber as called for in AS3959.

CFT fire test and weathering reports, technical data sheets, MSDS and other information on the Cease-Fire Timber FR system are available on request, or at the CFT website at [www.ceasefire.com.au](http://www.ceasefire.com.au).

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**Further information and assistance contact us:**

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