



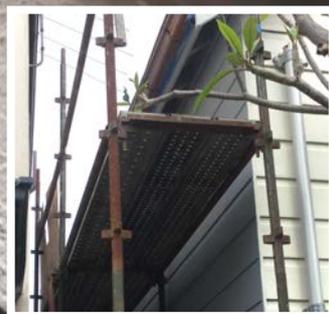
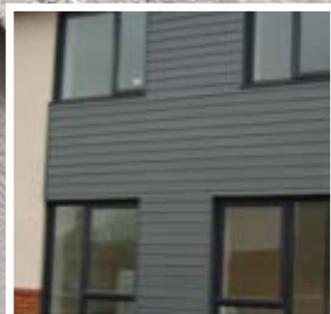
**FIRESHELL<sup>®</sup>**  
IGNITION BARRIER TECHNOLOGY



# Exterior Fire Protection Coating

*Timber cladding protection*

A breakthrough in exterior fire protection coating systems. Designed to protect timber weatherboards, cladding and hoarding from ignition and flame spread. Simple application LOW VOC and water based, FIRESHELL F1E offers post or pre construction alternatives for Ignition and flame spread requirements  
FIRESHELL Stops Ignition Stops flame spread



1800 684 001  
[WWW.EXFIRE.COM.AU](http://WWW.EXFIRE.COM.AU)



**FIRESHELL<sup>®</sup>**  
IGNITION BARRIER TECHNOLOGY



### PRODUCT DESCRIPTION

A high performance exterior grade water based, fast drying, sprayable coating for use on a variety of external timbers. The intumescent technology when in contact with embers, sparks, radiant heat or direct flame forms a carbon insulating layer that seals of the substrate preventing any chance of ignition or flame spread on the coated surface. Class leading exterior fire protection performance. FIRESHELL Stops Ignition Stops Flame Spread

### SOLUTIONS

- Risk reduction and Asset protection solutions for cladding, hoarding and boxing
- ISSO5660 compliant solutions on timber weatherboards and cladding materials
- Proximity to boundary solutions on external timbers
- AS3959 bushfire resisting timber solutions on a variety of timber species

### SPECIFICATION: FIRESHELL F1E

Ignition Barrier	Product	WFT Total	DFT Total	Coats	Theoretical Spread Rate
AS3959 & ISSO 5660 compliant	F1E	750µm	400µm	Spray: 2 coats @ 375 µm WFT per coat Brush and Roll: 3 coats @ 250 µm per coat	1.6m <sup>2</sup> /L @ 750µm WFT
Risk reduction solution	F1E	350µm	200µm	Spray: 1 coat @ 350µm WFT per coat	2.6m <sup>2</sup> /L @ 350 µm WFT

### APPLICATION

**Surface Preparation:** All surfaces must be clean dry and sound prior to application. Any gloss surfaces should be sanded prior to provide a suitable key. If unsure contact EXFIRE.

**Mixing:** Prior to use, stir the contents of the pail thoroughly for at least 2 minutes using a power mixer, ensuring paint is mixed from bottom to top of the pail. Contents must be uniform at all times during the application process.

**Recommended equipment:** \* Contact EXFIRE regarding airless spray application

**Spray:** Airless: Graco 1095 or Techspray Gun: Graco HD texture gun. Tips: 521 - 623

**Filters:** Can be removed from the gun and machine, pick up mesh can be left as a minimum

**Brush:** High quality nylon Roll: High quality Long nap roller. Can lay of with brush.

**Sag resistance:** 700 microns WFT on walls and 500 microns WFT on ceilings.

**Spraying Temperatures:** Min 12°C and rising Max 35°C. Coating to be kept above 16°C

Exfire recommend a maximum of 500microns WFT per coat

**Dry times:** 4 hours at 25°C and 50% Relative humidity with cross ventilation.

Make sure first coat is completely dry prior to applying any additional coats

**Drying conditions:** Cross Ventilation always required. Use Dehumidifiers if humidity above 85%. Full cure and hardness reached after 3 weeks.

**Clean up:** Thoroughly rinse application tools with water before paint is cured. Flush airless spray equipment out with water as soon as work ceases.

**Repair:** remove any loose coating, sand edges, re-apply to original coating thickness.

### TECHNICAL DATA

WATER BASED LOW VOC COATING  
NON HAZARDOUS  
EXTERIOR GRADE  
THINNER/ADDITIVES: Do not thin  
COLOURS: Grey, Brown custom available for volume  
SHEEN: Flat with slight texture  
DRUM SIZE: 15L. Custom available for volume orders  
STORAGE: Secure dry area, protect from freezing  
SHELF LIFE: 12 Months from purchase  
MOULD RESISTANCE: Excellent  
WASHABILITY: Excellent exterior performance  
FLEXIBILITY: Excellent, highly flexible ductile coating

### TESTING AND APPROVALS

- AS3959 bushfire resisting timber compliance
- ISSO 5660 - exterior cladding - timber
- ASTM E 84 - Class A rated on timber
- ASTM D 2898 Accelerated Weathering Compliance
- ASTM D 2486 Scrub resistance
- ASTM D 2243 Freeze thaw resistance
- ASTM E84 - non combustible coating. Flame:0 Smoke:0

### GENERAL

Prior to use, stir contents of the pail thoroughly for 2-3 minutes using a powered mixer, ensuring paint is mixed from the bottom to the top of pail and including all sides. All spread rates are approximate and may vary on different surfaces and with different spray techniques. EXFIRE recommend a maximum of 500microns WFT per coat. Always carry out a test area to confirm suitability prior to full application. Confirm with the certifying body for the project that the system will meet the performance requirements prior to project start date. Wet Film Thickness (WFT) should be checked using a WFT Gauge. Top coat can be applied for colour purposes if required with a thin film water based acrylic only. Allow 7 days prior top coating the FIRESHELL with a water based acrylic. Custom solutions and job specific specifications available. Always read the full manufactures specification and adhere to application



**DISCLAIMER:** Any advice, recommendation, information, assistance or service provided by EXFIRE PTY LTD in relation to goods manufactured or distributed by EXFIRE PTY LTD it or their use and application is given in good faith and is believed by to be appropriate and reliable. However, any advice, recommendation, information, assistance or service provided by EXFIRE PTY LTD is provided without liability or responsibility. EXFIRE products and/or systems can be expected to perform as indicated on the manufacturer's specification so long as applications and application procedures of the individual products are followed as recommended on the appropriate Manufacturer's Specification.

AVAILABLE From:

**EXFIRE:** 1800 684 001 [www.exfire.com.au](http://www.exfire.com.au)

Technical Rep Australasia: +61 406 529 920