

# FireShield™

## Fireproofing Paint

# Intumescent

- ASTM E-119 (UL 263)  
2 Hour Fire Rating
- ASTM E-84 (UL 723)  
Class A Rating
- Water-based



## DESCRIPTION

**FireShield Fireproofing Paint** - is a water-based intumescent coating for concrete, gypsum/fiber cement boards, steel/metal and wood. This product prevents penetration of fire on the applied substrate by forming a thick char (intumescence) that acts as a thermal barrier and lowers the spread of flame up to 2 hours.

## APPLICATION

- Wall & Ceiling
- Concrete
- Gypsum / Fiber Cement
- Steel / Metal
- Wood



## PROPERTIES

### ASTM E-119 (UL 263) 2 Hour Fire Rating.

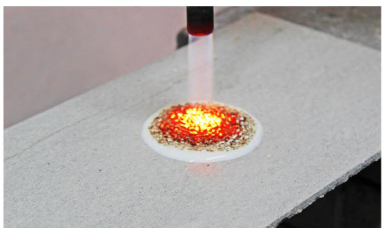
This means that a structure applied with FireShield Fireproofing Paint will not collapse, nor transmit flame or a high temperature, while supporting a design load, up to 2 hours after a fully developed building fire.

**ASTM E-84 (UL 723) Class A Rating.** This means that it has the lowest and slowest flame spread on the material surface. The speed of flame over surface interior material can affect the safety of people within a building if flame spread is faster than evacuation can be accomplished, or if fire spreads throughout an entire building before adequate fire protection measures can extinguish the blaze.

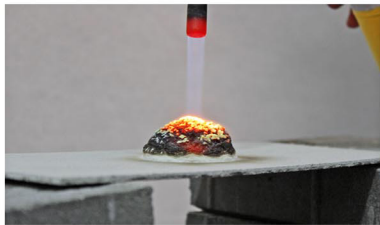
## TESTING RESULT



Picture 1 Initial condition of panel with **FireShield**



Picture 2 After fire exposure **FireShield** starts to swell.



Picture 3 **FireShield** exhibits up to 50 times volume expansion with continuous fire exposure.



Picture 4 Final appearance of the panel after 2 hours fire exposure, **FireShield** prevented fire penetration to the panel.



Picture 5 Back of the panel after 2 hours fire exposure, exhibits no cracking / fire spot.

**COLOR:** White

**PACKAGING:** 4 liters, 16 liters

**COVERAGE:** 4 liters - 16.0 sq.m  
@ 0.25mm. wet film thickness / coat  
@ 0.1mm. dry film thickness / coat

16 liters - 64.0 sq.m  
@ 0.25mm. wet film thickness / coat  
@ 0.1mm. dry film thickness / coat

**DRYING TIME:** 30 mins. @ 30°C - touch dry  
1 hour @ 30°C - recoat  
8 hours @ 30°C - dry through



**CAMPBRIDGE**  
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