



FIRE SAFE™ 108 WOOD



Listed with:



**Underwriters
Laboratories®**

**BMQXC.R16789
Coatings, Fire Retardant**

Coatings, Fire Retardant

[See General Information for Coatings, Fire Retardant](#)

GREEN DOLPHIN SYSTEMS CORP
Unit 8
6305 Northam DR
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R16789

Classified as to surface burning characteristics in accordance with CAN/ULC-S102 when applied to the indicated surfaces in accordance with the manufacturer's instructions at the specified coverages.

Coating System Details	Classification or Rating (When applied to Douglas Fir)	
	Flame Spread	Smoke Developed
Fire Safe 108 Wood applied in three coats at 7.7 m ² /L per coat	20	95-105

Flash Point of Liquid Coatings - Fire Safe 108 Wood: No Flash Last Updated on 2013-03-11

FEATURES:

- Ready-to-use, water-base intumescent fire retardant wood treatment - NOT a “coating”
- Formulated primarily for use as a “Class A” fire retardant treatment for fibrous cellulose material
- May be applied by brush, spray, or dipping process
- Colourless
- Odourless

BENEFITS:

- Non-toxic
- Low VOCs (79 ppm / 0.078 g/L)
- Highly durable (tested to withstand over 1000 scrubbing cycles)
- Enhances wood lustre
- Complies with the standard method of testing for surface burning characteristics of building material CAN/ULC102.2-M83, the standard method of testing for surface burning characteristics of floor coverings and miscellaneous materials and assemblies.

Directions to achieve the ULC Class “A” rating:

THREE COATS of FIRE SAFE™ 108 WOOD need be applied at a rate of 7.6m²/L/coat and “touch dry” in between applications.

OR - application through a spray system at a total of 3ml would achieve the individual 3-coat application. Surface to be treated must be clean, dry and untreated/uncoated.

Wet Film Thickness: 1ml /coat, 3ml after 3 coats.

Fire Safe™ must be fully absorbed into the wood surface, therefore being free of oil, grease, dust, dirt and varnishes, including Mill Glaze. Light sanding may be required prior to using Fire Safe™ 108 Wood to open up the wood pores allowing for full penetration.

Allow 24-48 hours for curing.

Top Coat: FIRE SAFE™ 108 WOOD is compatible with WATER-BASED coating (not oil-modified or water-bourn). Pre-testing is mandatory.

RECOMMENDATION:

Before commencing a full scale application of Fire Safe™ 108 Wood, always pre-test a small sample.

COUNTRY	TEST METHODS	CLASSIFICATION	Flame Spread Range
Canada	CAN/ULC - S102	Class 1 / Class A	0 - 25



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