

FIRE SAFE™ 108 WOOD

Better *Fire Safe* than Sorry!



DESCRIPTION: Fire Safe 108 Wood is a water-based, VOC compliant ULC Class "A" rated fire retardant penetrating treatment designed for interior use on untreated wood and fibrous cellulose materials. Suitable for interior applications requiring a flame spread of 25 or less, when tested in accordance with CAN/ULC S-102 and ASTM E-84-09. Ideal for structures and surfaces required to conform to building codes and fire regulations.

Fire Safe 108 Wood dries to a matte finish and in most applications, enhances the wood grain finish.

For exterior applications, the product must be coated with Green Dolphin Top Coat, or a similar compatible water-based coating, for weather and UV protection.

FEATURES:

- Ready-to-use water-based intumescent fire retardant treatment
- Clear, low odour
- VOC compliant
- Highly durable
- May be tinted for customized stain
- Provides wood preservative and anti-bacterial properties

APPLICATIONS:

- Vertical and horizontal wood frames, studs and panels
- Wooden roof, deck and trusses
- Unsealed wall panelling
- Decorative wood interiors
- Base treatment for refinished surfaces
- Wooden scaffolding

APPLICABLE TO:

- * Schools, Colleges, Nursing Homes, Child Care Centres
- * Hospitals, Penal Institutions, Apartments/Condominiums, Hotels
- * Retail Stores, Restaurants, Convention Centres, Entertainment Venues
- * Utilities, Railroads, Transportation, Mining Facilities, Military Installations
- * Film Production Industry, Trade Shows and Exhibitions

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PROPERTIES: Appearance - clear liquid
VOC Level - 79 ppm/0.078 g/L
Specific Gravity - 1.14 - 1.23
Shelf Life - 24 months

APPLICATION: Coverage - 7.7 m²/L and touch dry in between 3-coat applications
Approx. Coverage - 1,000 sq.ft. per 20L, 180-200 sq.ft. per 4L
Film Thickness - wet @ 7 - 8 mil, dry @ 3 - 4 mil
Drying Time - @ 77°F and 50% RH
- to touch... 1 - 2 hours
- to handle... 4 - 5 hours
- to apply top coat... 24 hours
- *The drying time will be dependent on the coating thickness, substrate absorption rate, temperature and humidity*

Method - Brush, Roll, Dip, or Conventional or Airless Sprayer

NOTE: The surface must be free of oil, grease, dust, dirt and varnishes, including mill glaze, in order for the Fire Safe 108 Wood to be fully absorbed into the wood.

PACKAGING: 4 x 4L (20 kg), 20L pail (22.5 kg), 210L drum (208 kg)

TEST RESULTS: Flame Spread Index
Testing of Fire Safe 108 Wood applied to Douglas Fir and Yellow Pine substrates for compliance with the applicable requirements for the following criteria:
CAN/ULC S102-07; Method of Test for Surface Burning Characteristics of Building Materials and Assemblies and ASTM E-84-09; Standard Test Method for Surface Burning Characteristics of Materials.

Classification  **Underwriters Laboratories** BMOXC.R16789, Coatings, Fire Retardant

Fire Safe 108 Wood applied to	Flame Spread	Smoke Developed
- Douglas Fir	20	95
- Yellow Pine [Southwest Laboratories]	10	50

Limited Warranty: Manufacturer warrants the products to perform their fire retardant functions, as represented by third party tests, if applied according to manufacturer's technical data and instructions. Products may not be diluted, or altered. There are no other warranties either expressed, or implied. Manufacturer cannot control the application and therefore, assumes no responsibility for coverage, performance, compatibility, or injuries resulting from its use. Applicator must determine suitability and safety for their particular requirements and specific application. *Read and observe all recommended safety and handling procedures.*

