

FLAME STOP[®] IM

PRODUCT DATA SHEET

FLAME STOP INC.
1-877-397-7867

DESCRIPTION:

Flame Stop Intumescent Paint (IM) is a 30-minute rated, latex based, post-treatment, interior fire retardant. When the treated material comes in contact with an open flame, the paint shall intumesce to reduce the flame spread and self-extinguish fire with minimal smoke developed. On compatible materials such as Douglas fir wood, Flame Stop IM shall provide a Class A rating. Flame Stop IM is a labor-saving coating which can achieve a Class A rating with only one coat applied at 150 square feet per gallon. When two coats are applied at a combined 100 square feet per gallon, the substrate achieves a 30-minute rating equivalent to FR treated lumber. Flame Stop IM is non-toxic, non-combustible, non-carcinogenic, easy to apply, and contains no PDBE's.

BASIC USES:

Flame Stop IM is engineered for commercial and residential interior surfaces such as: panelling, non-porous substrates, veneer, wood trusses, gypsum board, structural wood, plastic, previously coated surfaces, and MDF. FOR INTERIOR USE ONLY.

ADVANTAGES:

Flame Stop Intumescent Paint achieved a Class A rating with a Flame Spread of 10 and Smoke Developed of 45 for one coat (ASTM E84) and Flame Spread of 0 and Smoke Developed of 110 for two coats (ASTM E84 extended to 30 minutes). Flame Stop IM is water-based, non-toxic, mold resistant, stain blocking, fast curing, and will not alter the structural integrity of wood such as pressure treatment.

LIMITATIONS:

Storage Range: 45 – 110 degrees Fahrenheit (7 – 43 Celsius)
Shelf Life: One year, if kept within storage range.
A compatibility test is strongly recommended.
Do not dilute.
Interior use only.

TECHNICAL SUPPORT

Total solids: 60%

Wt per gallon: 11 Lbs.

Color: Black / White

Bacterial: Excellent resistance

Fungus: Excellent resistance

Volatility: None

Toxic: No

Biodegradeable: Yes

Insects, rodents and mold: Excellent resistance

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APPLICABLE STANDARDS:

Flame Stop IM was tested to the following standards: ASTM E-84, NFPA 255, UL 723: Omega Point Laboratories #8746-108578 ASTM E-84, NFPA 255, NFPA 703 30 MIN: SWRI (Southwest Research Institute) #01.10932.01.195 BML:California State Fire Marshal Listing Service: Listing No. 2280-1664:100

APPLICATION:

Ensure that all materials are clean prior to application. Apply Flame Stop IM as is by spraying, brushing, or rolling. Apply at the rate of 150 square feet per gallon for one coat or 200 square feet per gallon per coat for two coats. When doing multiple coats, wait until the first coat has dried before beginning the next application. This paint requires a 48-hour curing period. For spray application, use an airless sprayer suitable for applying a latex-based paint and a .017 tip size.

**** After treatment a 48-hour conditioning period is necessary before testing ****

TESTING:

A small-scale test can be performed with the utilization of a sample of the treated material and a small flame (butane lighter or match). Hold a 4" x 12" piece of the treated material vertically and apply the flame to the lower portion for 10 seconds and then remove the ignition source. The flame must self-extinguish within two (2) seconds. This test is similar to the small-scale NFPA 701 field test.

FLAMESPREAD 10 AND SMOKE DEVELOPED 45 PER ASTM-E84

FLAMESPREAD 0 AND SMOKE DEVELOPED 110 PER NFPA 703 (30 minutes, two coats) May, 2010



TESTED BY:
U.S. TESTING COMPANY INC. (SGS NORTH AMERICA)
OMEGA (INTERTEK) COMMERCIAL TESTING

C-14401

NOTES:



WARRANTY:

Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out of the use or the inability to use the product. Before using, user shall determine the suitability of the product for his intended use, and user assumes all risk and liability whatsoever in connection therewith.