

FLAME STOP® I

PRODUCT DATA SHEET



1-877-397-7867

DESCRIPTION:

Flame Stop I is a water-based, post-treatment interior fire retardant that penetrates the material and bonds with the cellular structure. The penetrant protects the substrate by developing a self-extinguishing reaction when the treated material comes in contact with an open flame. When applied correctly to certain natural and synthetic fabrics, the material shall have a class A rating. On porous woods such as pine or Douglas fir, the material shall have a class B rating. Flame Stop I was formulated with the user in mind because it is non-toxic, non-combustible, non-carcinogenic, easy to apply, and contains no PDBEs.

BASIC USES:

Flame Stop I protects the following materials: draperies, decorative fabrics, furniture, cotton, paper, polyester, cardboard, curtains, Douglas fir and many others. Materials must be evaluated for compatibility prior to application. The versatility of Flame Stop I makes it suitable for use in restaurants, hotels, hospitals, assisted living facilities, schools and commercial buildings, as well as personal residences.

ADVANTAGES:

Flame Stop I is a Class A, one-coat system on specific fabrics and Class B on Douglas fir with a flame spread of 35 and smoke developed of 15 according to independent third-party test reports. Since Flame Stop I penetrates and forms a molecular bond with the substrate, the life of the fire retardation shall be indefinite for most interior applications. Flame Stop I will not alter the structural integrity of the substrate or deteriorate because of its ability to penetrate. Treated fabrics may not be wet washed, but can be dry cleaned up to 15 times before reapplication is necessary. Numerous individuals and businesses choose this flame retardant because it is user friendly, dries clear, and can be easily applied by spraying, immersing, brushing, or rolling. Once cured for 48 hours on wood, the treated material may be painted with most latex based paints.

LIMITATIONS:

Storage Range: 45 – 110 degrees Fahrenheit (7 – 43 Celsius)
Shelf Life: Three years if kept within storage range.
A compatibility test is always recommended.
Do not wet wash.
Do not dilute.

TECHNICAL SUPPORT

Total solids:	10%
Wt per gallon:	9 Lbs.
Average ph:	7.0
Color:	Clear
Solvents:	Water
Bacterial:	Good resistance
Fungus:	Good resistance
Volatility:	None
Toxic:	No
Biodegradeable:	Yes
Corrosive:	Mildly corrosive on unplated steel
Linear shrinkage:	None
Insects, rodents and mold:	Excellent resistance

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