

CHEMICAL NAME:

FLAMEX PF

PRODUCT DATA SHEET



SUPPLY CO.

SINCE 1998



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DESCRIPTION:

Flamex PF 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, Flamex PF is designed not to change the color or hand (feel) of the fabric. Flame PF is non-toxic, non-combustable, non-carcinogenic, easy to apply and contains no PBDE's.

BASIC USES:

Flamex PF protects interior fabrics from sustaining flame. This product is widely used in restaurants, hotels, hospitals, assisted living facilities, schools, residential and commercial buildings.

ADVANTAGES:

Flamex PF is a one-coat system on absorbant fabrics consisting of cotton, polyester, rayon, wool, etc. Since Flamex PF penetrates and forms a molecular bond with the substrate, the life of the flame retardant shall be indefinite for most interior applications. Treated fabrics may not be wet washed, but can be dry cleaned up to 3 times before reapplication is necessary. Flamex PF will not alter the integrity of the fabric or deteriorate because of its penetrating abilities. Flamex PF is preferred because it is user friendly, dries clear, and can be easily applied by spraying or immersing.

LIMITATIONS:

Storage Range: 45 – 110 degrees Fahrenheit (7 – 43 Celsius)
Shelf Life: Three years, if kept within storage range.
Cannot be used on non-porous materials such as nylon, nomex, sunbrella, etc. A compatibility test is strongly recommended.
Do not wet wash or expose to high humidity.
Do not dilute.

Technical Support

Total Solids:	60%
Wt Per Gallon:	10 lbs
Average pH:	7.5 - 8.0
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

APPLICABLE STANDARDS:

Flamex PF has been tested to the following standards:
NFPA 701, ASTM E-84, UL 723, UBC-1, CA 19 Sec 1237.1

APPLICATION:

Ensure that all materials are clean prior to application. Apply Flamex PF as is by spraying or immersing. Apply at the rate of 300 - 400 square feet per gallon on fabric, depending on the density, thickness, and weave. After application, there must be a 5 – 10% increase in the weight of the fabric. Before proceeding with full application, test in an inconspicuous area to ensure the compatibility and that the color and hand are not affected. One coat will require a 24-hour curing period. For spray application, use a .050 - .010 tip size and a low pressure airless sprayer.

**** After treatment a 24-hour conditioning period is necessary before testing ****

TESTING:

A small-scale test can be preformed 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.



**TESTED BY:
SGS TESTING LABORATORY
(SGS NORTH AMERICA)**

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.