

FLAME STOP® I-C

PRODUCT DATA SHEET

FLAME STOP INC.
1-877-397-7867

DESCRIPTION:

Flame Stop I-C 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, Flame Stop I-C is designed not to change the color or hand (feel) of fabric that contains 100% natural fiber. Flame Stop I-C is non-toxic, non-combustible, non-carcinogenic, easy to apply and contains no PDBE's.

BASIC USES:

Flame Stop I-C protects interior fabrics with 100% natural fiber content. This product is widely used in restaurants, hotels, hospitals, assisted living facilities, schools, and personal residences, as well as commercial buildings.

ADVANTAGES:

Flame Stop I-C is a one-coat system on fabrics consisting of 100% natural fiber. Since Flame Stop I-C penetrates and forms a molecular bond with the substrate, the life of the flame retardation shall be indefinite for most interior applications. Treated fabrics may not be wet washed, but can be dry cleaned up to 15 times before reapplication is necessary. Flame Stop I-C will not alter the integrity of the fabric or deteriorate because of its penetrating abilities. Flame Stop I-C 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.
A compatibility test is strongly recommended.
Do not wet wash or expose to high humidity.
Do not dilute.

TECHNICAL SUPPORT

Total solids: 9%

Wt per gallon: 9 Lbs.

Average ph: 7.0

Color: Clear

Solvents: Water

**Bacterial: Good
resistance**

**Fungus: Good
resistance**

Volatility: None

Toxic: No

Biodegradable: Yes

**Corrosive: Mildly corrosive
on unplated steel**

Linear shrinkage: None

**Insects, rodents
and mold: Excellent
resistance**

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APPLICABLE STANDARDS:

Flame Stop I-C has been tested to the following standards: U.S. Testing No. LA41266, FAR 25.853.

APPLICATION:

Ensure that all materials are clean prior to application. Apply Flame Stop I-C 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 48-hour curing period. For spray application, use a .050 - .010 tip size and a low pressure airless sprayer.

*** After treatment a 48-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.

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.