

# PRODUCT DATA SHEET

**FLAME STOP INC.**

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## CHEMICAL NAME:

**FLAME STOP I-DS**



## TESTED BY:

U.S. TESTING COMPANY INC., OMEGA POINT  
LABORATORIES, AIRLINE FABRICARE, BUCK-  
EYE FABRIC FINISHING CO.

## DESCRIPTION:

Flame Stop I-DS™ is a **post-treatment** pyrolitic interior/exterior fire retardant penetrant. This product **dries clear**. This product is highly concentrated and has significant wetting properties. I-DS was designed to penetrate and effectively fire retard open and closed cell structures. When the treated material is subjected to an open flame, the retardant **will pyrolitically self-extinguish fire with minimum smoke**. Flame Stop I-DS is completely **non-toxic and non-hazardous** to the environment and **simple to apply**.

## BASIC USES:

Flame Stop I-DS is used for interior and exterior applications such as: **open and closed cell foams, foam rubber, nylon netting, exterior composition siding, thatching, bamboo, hardwoods, synthetic fabrics, plastics and many other difficult to penetrate materials.**

## ADVANTAGES:

**Class A one coat system. 10 flamespread on Reed Thatching. FAA Certified.** Since Flame Stop I-DS penetrates and becomes part of the substrate, the life of the flame retardancy is **indefinite** in most cases. All of our products were tested using **single-coated materials**. Flame Stop I-DS has many uses and is our most concentrated fire retardant. Flame Stop I-DS **will not deteriorate** because it is not a coating instead it penetrates and **becomes part of most materials**. This product **will not alter the structural integrity of wood**. I-DS is often chosen because it is **non-toxic, dries clear, easy (spray, brush or roll) application**. Once cured (24 hrs.) The treated material may be painted with a latex paint.

## LIMITATIONS:

Do not dilute.

Storage Range: 110 degrees F. to 45 degrees F. Shelf Life: 3 years if kept within storage temperatures.

## APPLICABLE STANDARDS:

Flame Stop I-DS has been tested to the following standards:

ASTM E-84, NFPA 255, UL 723: U.S. Testing Title 4 #LA 63494 (Ether Foam), Omega Point Laboratories #8924-89133 (Reed Thatching) FAR 25.853 (Polyurethane Foam) CA Reg. #C-14401 NFPA 701

## APPLICATION:

All materials to be treated should be clean. Flame Stop I-DS can be applied as is by spraying or immersing. A small test should be performed by the utilization of a small flame (butane lighter). Hold a 4" X 12" piece of the treated material vertically and apply the flame to the lower portion for 10 seconds, remove the ignition source. The flame must go out within 2 seconds. (This test is similar to the small-scale NFPA 701 field test) Apply to wood at the rate of 200 square feet per gallon

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

## FLAMESPREAD 10 on Reed Thatching

## WARRANTY:

This product is sold on condition that th   
Stop I-DS

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## Technical Support

Total Solids:	35%
Wt Per Gallon:	10 lbs..
Average pH:	4.7
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