

P.O. Box 7305
Auburn, NY 13022



N.Y. FIRE-SHIELD INC.

(315) 255-1006
FAX: (315) 255-2765

Dear Customer:

READ ALL INSTRUCTIONS BEFORE USE

Thank you for your order of Inspecta-Shield™ flame retardant for the treatment of fabric, lumber, and other items that are either absorbent or will allow Inspecta-Shield to adhere to fibers.

Please follow all directions contained within this manual and listed on the product label.

APPLICATION RATES FOR FABRICS

	<u>Oz weight per square yard</u>	<u>Coverage rate per gallon</u>
Cotton Twill	7.9	600 square feet
Cotton Flannel	3.6	600 square feet
Cotton (Drapery/upholstery)	4.7	600 square feet
Rayon	2.8	500 square feet
Silk	2.0	500 square feet
Polyester (satin)	2.5	600 square feet
Polyester (knit)	7.0	600 square feet
Olefin (polypropylene)	4.5	500 square feet
Acetate	3.7	500 square feet
Velours - 16 oz.	25	400 - 500 square feet
Blends of above		400 - 600 square feet

APPLICATION RATES FOR INTERIOR LUMBER 300 sq. ft. per gallon - all surface areas treated *

H.P.M.A. T-6839	White Pine	Class A	300 sq.ft./gallon
U.L. 79P1	Douglas Fir	Class B	300 sq.ft./gallon
Plywood, Particle Board, OSB	-----		300 sq.ft./gallon

* If material to be treated can only be treated on one side, the application rate is 150 sq.ft. on exposed side.

Dimensional lumber: 150 sq.ft. per gallon; all sides have to be sprayed. Use the following procedure and chart to determine linear square footage.

		A								
		1/2"	1"	2"	4"	6"	8"	10"	12"	
- Locate lumber dimension A and B on graph	1"	4	3	2	1 1/4	3/4	3/4	3/4	1/3	
- Locate no. at crosspoint - C	2"	2 1/3	2	1 1/2	1	3/4	2/3	1/2	1/3	
- L - linear feet	4"	1 1/3	1 1/4	1	3/4	2/3	---	---	---	
- sq = square feet	B	6"	---	3/4	3/4	2/3	1/3	---	---	3
		8"	---	3/4	2/3	---	---	---	---	5 1/3
		10"	---	3/4	1/2	---	---	---	---	---
		12"	---	1/3	1/3	---	---	---	---	---
Formula: L ÷ C = sq.ft.										
i.e. a 4x6 pine 100 linear feet long = 166 sq. ft.										

Textile application rates are based on independent test results when product was applied by either spray, immersion or pad method. Textile weights ranged from 1.7 oz. to 25 oz. per square yard.

Lumber application rates are based on independent test results when product was applied by either spray, roller, immersion or pressure impregnation processes.

Application rates may vary with the weight, density and the code for which treated materials are intended to comply with. (Some items may need to be treated more than once to ensure proper coverage rates).

N.Y. Fire-Shield, Inc. technical staff is available for assisting you with any additional information on specific application rates and processes.

APPLICATION RATES FOR MISCELLANEOUS ITEMS

Paper	800 sq.ft./gallon (vegetable-based)
Bales of Hay	75 sq.ft./gallon

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FLAMMABLE MATERIAL CHECK-LIST

1. (A) Areas of Assembly - Those areas where a gathering of 50 or more people may congregate; i.e., auditoriums, cafeterias, gymnasiums.

- ☐ Stage Draperies
- ☐ Window Curtains
- ☐ Stage Props
- ☐ Carpeting
- ☐ Upholstered Furniture

(B) Decorative Materials - Material of a decorative purpose.

- ☐ School Banners
- ☐ Flags
- ☐ Posters
- ☐ Artwork
- ☐ Bulletin Boards
- ☐ Murals
- ☐ Wallcovering

2. Areas of Egress (Exit):

- ☐ Window Curtains
- ☐ Carpeting
- ☐ Wallcoverings
- ☐ Decorative Materials

3. Office Areas:

- ☐ Window Curtains
- ☐ Carpeting
- ☐ Wallcoverings
- ☐ Decorative Materials
- ☐ Upholstered Furniture
- ☐ Room Dividers

4. Classrooms:

- ☐ Window Curtains
- ☐ Carpeting
- ☐ Wallcoverings
- ☐ Decorative Materials
- ☐ Upholstered Furniture
- ☐ Room Dividers

INSPECTA-SHIELD® APPLICATION Spray Method

1. Materials must be absorbant in order for Inspecta-Shield® to be effective (test material with a drop of water.)

2. Shake Inspecta-Shield® well, transfer to a clean sprayer. Test spray pattern on a paper towel. Test material for color fastness.

a. *Spray should be light enough to cover material without excessive dripping (material should be wet to the touch.)*

b. *It may be necessary to apply two coats to achieve total coverage.*

3. Operation of Sprayer

a. *Fill sprayer one inch below neck.*

b. *Make sure that yellow switch on wand is in the vertical OFF position.*

c. *Twist pump handle to release.*

d. *Pull up handle and pump 20 times to create satisfactory pressure.*

e. *Twist pump handle back into lock position.*

f. *Use two-hand start-up spraying procedure.*

1. *Place left hand on wand.*

2. *Place right hand on handle and trigger.*

3. *Make sure trigger and wand are in*

vertical position at all times with tip up.

g. *Place trigger in ON position (pulling down with thumb.)*

h. *Turn off by pushing yellow trigger straight up with thumb (make sure trigger is not in lock position.)*

4. Spray Product

a. *Hold sprayer 10" to 12" from work. Move sprayer back and forth, overlapping each stroke until complete.*

5. Wipe Up any Over-Spray and Drips

a. *Inspecta-shield should not be left in contact with metal or glass. Wash any excess off with a damp cloth.*

6. Return any unused Inspecta-Shield® to proper container.

7. Wash sprayer with water, rinse, and flush clean water through sprayer. Wipe dry and store properly.

8. Return unused Inspecta-Shield® to storage and log date and application. Store between 35° F and 100° F.

ATTENTION - Art Teachers and Maintenance Personnel:

A. Children's artwork may be applied from back of paper.

B. Paper products may be flameproofed before using by either spraying or dipping.

NOTE: If Inspecta-Shield® is over-applied and stiffness results, a simple brushing will bring your material back to its original texture.

TO: All Inspecta-Shield® Users

FROM: N.Y. Fire Shield, Inc.

RE: Recommendations for most effective usage of Inspecta-Shield®.

NOTE: Any soiled fabrics or furnishings should be cleaned before application

Your fabrics and/or furnishings have been treated with Inspecta-Shield®, a non-toxic, odorless flame retardant chemical manufactured by N.Y. Fire-Shield, Inc. for fire protection and prevention.

To maintain the appearance of the area treated, the following procedure is recommended in dealing with possible overspray or overapplication:

1. Examine Inspecta-Shield® treated items after drying.

a) PROBLEM: Overspray - white crystal-like particles on non-cellulosic materials (metal will rust if not removed.)

REMEDY: Simply wipe affected area with a damp cloth.

b.) PROBLEM: Overapplication-resulting in stiffness of treated areas.

REMEDY: brush and/or use agitation bar; vacuum until said areas resume original texture and color.

2. Durability: Inspecta-Shield® will not wear off under normal fabric use conditions. Treated synthetic and cellulosic textiles have been found to withstand three dry cleanings under the guidelines established by I.F.I. # T-87-649.

3. Testing after cleaning.

Remove small piece of treated material. Hold a match for five seconds to the bottom of vertically held material. Inspecta-Shield® will retard or slow down the flame on recommended items, but will not prevent charring. Check for combustion. If combustion occurs, procedure must be repeated to insure protection.

4. Reapplication.

We recommend reapplication after water washings or three dry cleanings (See Durability) to assure the maintenance of the flameproof ratings.

FOR FURTHER CONSULTATION,
PLEASE CONTACT THE PROFESSIONALS AT NEW YORK FIRE-SHIELD, INC.

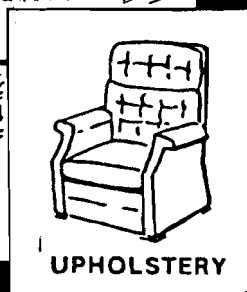
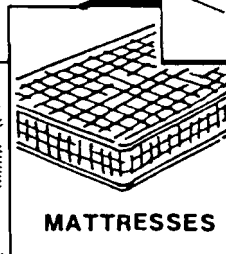
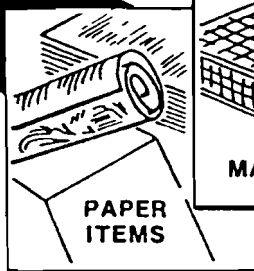
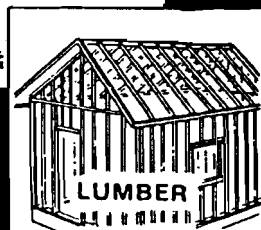
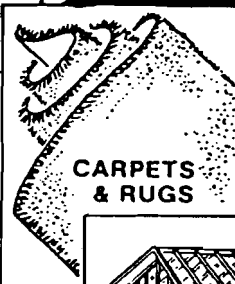
INSPECTA-SHIELD™

A NEW IMPROVED ...

FIRE RETARDANT TREATMENT



* Fire Inspectors,
Insurance Companies,
and In-House Users ...
Light checks to insure
that items have been
properly treated or if
additional fire retardant
needs to be re-applied.



INSPECTA-SHIELD meets and exceeds all requirements to be rated as a Class "A" fire retardant on many materials by Federal, State and locally acknowledged test procedures.

♦ EASY TO APPLY ♦ NON-TOXIC ♦ NON-ALLERGENIC ♦ ODORLESS
♦ DURABLE ♦ U.V. STABLE ♦ NON-HARDENING ♦ SELF IDENTIFYING



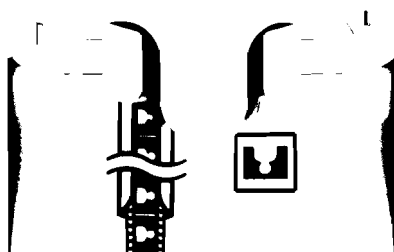
Manufactured by:

N.Y. FIRE-SHIELD INC.

P.O. Box 7305 • Auburn, New York 13022

Available in – Quarts, Gallons, Drums.

COMPLETE TECHNICAL
DATA ON THE BACK



INSPECTA-SHIELD®

FOR FABRICS, WOODS, & OTHER CELLULOSIC MATERIALS

Flame-retard:

⚡ CARPETS

⚡ UPHOLSTERY

⚡ DRAPERIES

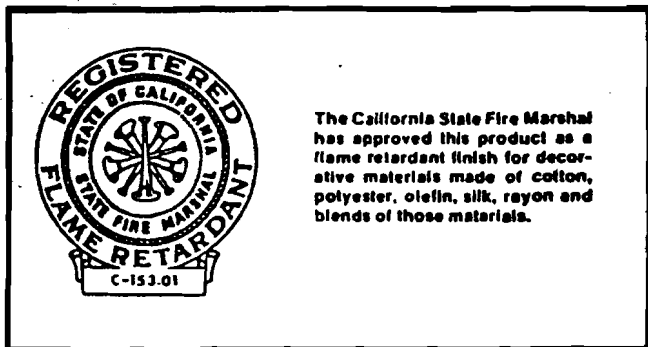
⚡ EVERGREENS

⚡ LUMBER

⚡ DISPLAY ITEMS

⚡ PAPER ITEMS

*and other items that are either absorbent,
or will allow this product to adhere to it.*



UNDERWRITERS LABORATORIES INC. ®		
CLASSIFIED		
FIRE RETARDANT COATING		
75P1		
SURFACE BURNING CHARACTERISTICS		
Surface	Douglas Fir	
Flame Spread	45	
Smoke Developed	85	
Number of Preliminary Coats	None	
Rate Per Coat (sq ft/gal)	—	
Number of Fire Retardant Coats	1	
Rate Per Coat (sq ft/gal)	300	
Number of Overcoats	None	
Rate Per Coat (sq ft/gal)	—	

ASTM – E-84 Test #T-6839

White Pine coverage rate 300 sq. ft. per gal.: F.S. 25

FABRIC COVERAGE RATE PER GAL.		Inspecta-Shield Fire Retardant, when properly applied Will meet or exceed the listed test criteria on many items. ASTM E-84 CAN2-4.2-M77 NFPA 701 FAA Horizontal and Vertical Flame Spread. C.S.F.M. C153.01 Member I.F.I. N.Y.C.F.D.C. of A. No. 5022 and 5024
Cotton & Silks	600 Sq. Ft.	
Nylons, Polyester, Rayons, Olefins & Blends	500 Sq. Ft.	

The above application rates are based on independent tests. Application rates may vary depending upon different types and weights of materials.

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INSPECTA-SHIELD will retard or slow down flame spread on many items but will not prevent charring. Inspecta-Shield is colorless and odorless. Inspecta-Shield can be washed out by repeating washings. (WE RECOMMEND REAPPLICATION AFTER WASHING OR CLEANING TO ASSURE THE MAINTENANCE OF THE FLAME RETARDANT RATINGS.)

for more information, contact:



N.Y. FIRE-SHIELD INC.

For All Your Fire Retardant Needs

P.O. Box 7305 • Auburn, New York 13022

Phone: (315) 255-1006 or 255-2044

FAX (315) 255-2765



USA Pat. No. 5023,019 – Foreign Pats. Pending

MADE IN U.S.A.

