

# **Retardants Inc.** The Decision You Make May Save A Life!

SPECIALISTS IN FIRE RETARDANT PAINT, VARNISH, COATINGS AND SOLUTIONS FOR FABRIC, PAPER, WOOD, METAL, AND MANY OTHER SURFACES. FIRE STOP CAULKING, SEALANTS AND SMOKE AND ODOR ELIMINATION PRODUCTS.

- UL or ASTM E-84 Class A & B Rated
- Fire Marshal Recommended
- Laboratory Tested
- Easy to Apply

Proven Reliability
Cost Effective

Installation Available in Many Areas

COMPLETE LINE OF BURN BARRIER™ Fire Retardant and FIRESTOP Products for Fire Code Compliance

# **MANY FIRE RETARDANT USES INCLUDING:**

- Wood/Plywood/Paneling
- Wood Chips/Sawdust
- Lumber/Joists/Studs/Rafters
- Beams/Logs/Poles

- Furniture/Stage Props
- Cedar Shakes/Shingles
- Hay/Straw/Thatch/Rope
- Dry Flowers/Grass/Leaves
- Corn Stalks/Twigs/Bark
- Artificial Foliage/Moss
- Wreaths/Vines/Pine Cones
- Paper/Cardboard/Cork
- Parade Floats/Displays

- Party Decorations/Signs
- Tablecloths/Bedspreads
- Nylon/Rayon/Silk
- Curtains/Drapes/Tarps
- Upholstery/Mattress
- Fabric/Burlap/Costumes
- Banners/Flags/Blankets
- Canvas/Cotton/Wool
- Boxes/Packing Material
- Foam/Plastic/Rubber
- Carpet/Rugs/Mats
- Ceilings/Walls/Floors
- Stairs/Hallways/Doors

- Metal Cable/Steel Beams
- Festivals/Fairs/Circuses
- Fire Retardant Paint
- Intumescent Varnish
- FIRESTOP Caulk, Putty, Wrap, Sealant, Spray, Collars, Pillows
- Forest Fire Retardants
- Smoke & Odor Eliminators
- Fire Retardant Soundproofing, Noise Control & Acoustical Insulation Products
- Mineral Wool Insulation for 1-5 Hour Rated Curtain Wall & Ceiling Assemblies

CALL NOW for Immediate Technical Assistance, Price Quotes & Ordering Fire Retardants "HOT LINE" 1-800-913-9385 or 952-448-7377 D.I.Y. Applications. ORDER ONLINE: www.fireretardantsinc.com

123 Columbia Court North. Suite 201, Chaska, MN 55318 • FAX: 952-448-2613 e-mail: info@fireretardantsinc.com

# FIRE Retardants Inc.™ Guide to Fire Retardant Products. FeaturingBURN BARRIER ™ Brand Fire Retardants

Complete Specification, MSDS and Test Information Available On Our Website at www.fireretardantsinc.com or Call the *Fire Retardants Inc.*™"HOT LINE" **1-800-913-9385.** 

	Product Uses	Product	Finish	**Approximate Coverage	Description	ASTM E-84 Flame Spread Rating
INTERIOR FABRICS						
-	Cotton, Linen, Rayon, Cotton Blends, Wool, Silk, Paper, Furniture, Stage Props, Cardboard, Cork, Parade Floats, Displays, Party Decorations, Signs, Tablecloths, Bedspreads, Upholstery, Mattress, Canvas, Costumes, Carpet, Rugs, Mats, Banners, Flags, Boxes, Packing Materials. Use Wherever Allowed	BURN BARRIER™ FPR Ready to Use, Do Not Dilute	Clear, Natural,	300sf/Gallon	Surface Penetrating, Water Base Solution	A
•	(Concentrate) Cotton, Linen, Rayon, Cotton Blends, Wool, Silk, Paper, Furniture, Stage Props, Cardboard, Cork, Parade Floats, Displays, Party Decorations, Signs, Tablecloths, Bedspreads, Upholstery, Mattress, Canvas, Costumes, Carpet, Rugs, Mats, Banners, Flags, Boxes, Packing Materials, Schools, Hotels, Nursing Homes, Casinos, Home, Office or Wherever Allowed	BURN BARRIER™ FPC Concentrate, Dilute with Equal Parts Distilled Water or Use Full Strength	Clear, Natural	300 to 600 sf/Gallon	Surface Penetrating, Water Base Solution	A
-	Interior Fabric, Nylon, Celanese, Costumes, Rugs, Carpets, Mats, Banners, Flags, Schools, Cruise Lines, Hotels, Restaurants	BURN BARRIER™ U	Clear, Natural	150sf/G (Varies) Depending on Solution	Surface Penetrating, Water Base Solution	A
	Synthetic Fabric, Polyesters, Acetates, Rugs, Drapery, Bedding, Flags, Banners, Carpets, Hotels, Cruise Lines, Restaurants, Festivals, Fairs, Furniture, Curtains, Tarps, Schools, Nursing Homes, Circuses and Many Other Areas	BURN BARRIER™ CP	Clear, Natural	100sf/Gallon (Varies) Depending on Solution	Surface Penetrating, Water Base Solution	A
	Silk Plants, Artificial Foliage, Schools, Home, Office, Restaurants, Resorts, Malls, Nursing Homes, Hotels, Casinos	BURN BARRIER™ PF1	Clear, Natural	Varies		A
		_IN	TERIOR USE			
	Lumber, Wood, Plywood, Paneling, Sawdust, Woodchips, Hay, Straw, Thatch, Rope, Cornstalks, Twigs, Bark, Leaves, Dry Flowers, Grass, Party Decorations, Signs, Ceilings, Doors, Floors, Stairs, Hallways, Festivals, Fairs, Circuses, Schools, Existing Construction, New Construction, Hotels, Casinos, Restaurants, Nursing Homes, Theatres or Wherever Allowed	BURN BARRIER™ W Use Full Strength, Do Not Dilute	Clear, Natural	2 Coats of 125sf/Gallon	Surface Penetrating Water Base Solution	A
	Unfinished Wood & Wood Products. Paneling, Walls, Ceilings, Floors. Overcoat Adds Durability and Water Spot Protection Unfinished Wood, Plywood.	BURN BARRIER™ Varnish System 6, 166, 167 BURN BARRIER™ 6-3	Clear, Flat Clear, Satin Low, Semi or Hi-Gloss Clear, Natural	400sf/Gallon 150sf/Gallon 600sf/Gallon 100sf/Gallon	Sealer Varnish Varnish Overcoat Penetrating Wood Surface Treatment	A (As System) A
	Christmas Trees* CAUTION, See * Below and Natural Foliage	BURN BARRIER™ X	Clear Coating	2 –4 (5') Trees	Halogen Free) Plastic–Like Coating	N/A
	Wood, Fiberboard, Drywall, Plastic, Masonry and Anything that Could be Painted	BURN BARRIER™ 10-10	Velvety, White, Pastels, or Tints with Universal Colorants	190sf/Gallon	Solvent Base Paint	A
-	Metal, Wood, Fiberboard, Drywall, Plaster, Masonry and Anything that Could be Painted	BURN BARRIER™ 20-20	Flat, White, Pastel or Tints with Universal Colorants	190sf/Gallon	Latex Paint (Water Base)	A
	Overcoat for 10-10 and 20-20. Adds Durability or Use on Non-Combustible Surfaces	BURN BARRIER™ Solvent Paint 30-30	White and Many Colors	250sf/Gallon	Solvent Base Paint Coating	А
	Metal, Wood, Fiberboard, Drywall, Plaster	BURN BARRIER™ 111	Velvety Black Only	180sf/Gallon	Solvent Base Paint Coating	A
	Multi-Purpose Protective Coating for Kitchens, Public Food Processing Plants, etc. Interior or Exterior	BURN BARRIER™ Glaze No. 18 (2)	Clear Glaze	400-600sf/Gallon	Clear Glaze	A
	Hi-temperature Coating Used for High Heat Protection. Industrial, Tanks, Drums, Pipes	BURN BARRIER™ HTC	Black or Red	250sf/Gallon	Solvent Based Paint Protective Coating	A
-	Interior Fire Protection for Steel Beams. 1-4 Hour Rating	BURN BARRIER™ 50-69C	Stucco–Like Finish	Depends on Rating and Beam Size	Cementitious Mixture	1-4 Hr. Rating per UL 263, ASTM E-119
	Interior Fire Protection for Steel Beams. 1-2 Hour Rating	BURN BARRIER™ 50-44	Hard Paint-Like Finish	Depends on Rating and Beam Size	Paint-Like Liquid	1-2 Hr. Rating per UL 263, ASTM E-119
EXTERIOR USE						
	Cedar Shakes, Wood (Also Acts as Preservative)	10	Clear	150sf/Gallon	Surface Penetrating Wood Treatment	В
	Wood Products and Wherever Varnish Could be Used	BURN BARRIER™ Varnish System 29, 130	129-Clear (Stains available) 130- Low, Semi or Hi-Gloss	300sf/Gallon 600sf/Gallon	Varnish Coating Varnish Overcoat	B B (As System)
	Canvas, Canopies, Awnings, Tents, Welding Curtains	BURN BARRIER™ EFR 5	Clear Coating (Protectant)	250sf/Gallon	Clear Surface Coat	N/A
-	Exterior Fire Protection for Steel Beams. 1-4 Hour Rating	BURN BARRIER™ 50-69CX	Stucco-Like Finish	Depends on Rating and Beam Size	Cementitious Powder	1-4 Hr. Rating per UL 263, ASTM E-119
	Marine Applications, Wet, Damp Areas and Wherever Paint Could be Used	BURN BARRIER™ 46801-White	Semigloss	250-300sf/Gallon	Thermal Catalytic 2 Part Epoxy Paint	A

INFORMATION PROVIDED HEREIN IS BASED ON TESTS BELIEVED TO BE RELIABLE. INASMUCH AS FIRE RETARDANTS INC. HAS NO CONTROL OVER THE USE OR APPLICATION TO WHICH OTHERS MAY PUT THIS MATERIAL, WE MAKE NO GUARANTEE OR WARRANTY. OUR PRODUCTS ARE SOLD ON THE CONDITION THAT EACH USER OF THE MATERIAL MAKE HIS OWN EVALUATION TO DETERMINE THE MATERIAL'S SUITABILITY FOR HIS OWN PARTICULAR USE.

**CAUTION:** Christmas trees and wreaths are very difficult to make less flammable even with the use of fire retardants. HANDLE ALL FIRE RETARDANTS AND ODOR CONTROL PRODUCTS WITH CAUTION. USE PROTECTION FOR SKIN, EYES AND INHALATION. KEEP ALL FIRE RETARDANTS AND ODOR CONTROL PRODUCTS AWAY FROM CHILDREN. DO NOT INGEST. TEST SMALL SAMPLE PRIOR TO USE.

\*NOTE: Determine coverage requirements carefully. Due to the special nature of fire retardant products, they are not returnable in order to assure product integrity. Product coverage and performance may vary greatly depending on many factors including dryness, porosity, absorption, texture and thickness of the material to which the fire retardant is applied. Different methods of application also produce varying coverage results. It is the user's responsibility to conduct a test to determine color fastness, effects of expansion, shrinkage, wrinkles, spotting etc. Test for flammability to determine the number of coats and coverage of the fire retardant needed for your individual application to be effective. Continue to apply fire retardant until a justificatory result is achieved. For prolonged or exterior applications, reapply fire retardant as necessary.

# FIRESTOP Caulk, Sealant, Putty, Spray, Sheets, Pillows, Barriers, Wraps, Collars and Mortar. Tested and Approved for 1, 2, 3 & 4 Hour Rated Systems

FIRESTOP Products are used and often required for sealing horizontal and vertical penetrations and joints in firewalls and fire separations. They prevent the spread of fire, smoke, fumes and drafts through walls, floors and ceilings in case of an actual fire. Other common uses include sealing around vents, pipes, ducts and other service or utility penetrations. An additional benefit is reduced noise and vibration transfer by creating an effective acoustical seal.

# **FIRE BARRIERS**

# **PILLOWS**

Self-contained, highly intumescent pillow creates a firestop for a wide variety of openings, such as for cable trays and conduit, in fire-rated construction. Outer plastic sheathing allows pillow to slide back and forth for easy installation and re-entering. Requires no external restraining wire because it locks itself in place during a fire. Nongraphite construction for telecom applications. 3-hour UL Listed systems up to 540 sq. in. opening. UL and C-UL Listed. FM Approved.

# **CS-195+ COMPOSITE SHEETS**

Great for firestopping large openings through fire-rated walls and floors that contain multiple penetrations. Mechanically anchored to the wall or floor, intumescent sheet is easy to install using common trade tools

Lightweight and easy to handle, it can be cut to fit irregular shapes. UL Ćlassified.

# WRAP STRIPS AND COLLARS

Flexible and easy to cut - ideal for use on irregular shapes. UL Classified.

### WRAP STRIPS

Intumescent strips are designed to be wrapped around pipes or inserted directly into the penetration to firestop the opening. Easy installation no special tools required.

No. 3BE40 provides a very hard char that helps prevent the transmission of water, smoke, toxic gases and fire. Can be used in conjunction with CS-195+ Composite Sheets, CP-25 WB+ Caulk, RC-1 Collar or Moldable Putty+.

No. 3BE41 expands up to 25 times its original size and, with use of the RC-1 Collar, can be used on all types of plastic pipes. Allows continuous wraps, which saves time.

#### **RC-1** Collar

Wraps directly around wrap strips to help secure them to plastic pipe, wall or floor. 28-gauge steel collar comes in a convenient roll that can be cut to custom lengths with common cutting snips, eliminating waste.



### **PLASTIC PIPE DEVICES**

One-piece intumescent device expands in the event of a fire, helping to close off plastic pipe and opening. Installation is fast and easy with simple closure system
 just lock, latch and bend the tab. UL Classified. **ULTRA PPD** 

Tested in systems up to two hours and accommodates all types of plastic pipes.

# ULTRA RC PACK

Tested in systems up to two hours and accommodates the most common types and sizes of plastic pipes. MORTAR

Fire barrier mortar with variable mix ratio allows self-leveling as well as no-sag applications. Simply add water and mix. Provides excellent adhesive to common construction materials. Lightweight mortar is fiber reinforced to reduce cracking during cure and fire tests. Bonds to itself for excellent repairability. UL Classified.

#### **DUCT AND PLENUM WRAPS**

Strong, extremely flexible wrap conforms to duct for easy installation. Provides zero clearance to combustibles at the overlap or collar; ideal for congested spaces. Safer fiber construction encapsulated in foil with a unique center overlap seam for blanket strength, protection and less dust. UL Classified.

# FIRESTOP CAULK, PUTTY, SPRAY **AND SEALANT**

### PENETRATION CAULK

Highly effective, non-halogen formula sealant is water-based for easy cleanup and routine disposal, with no special handling required. One-part system requires no mixing. Easily installed with a standard caulking gun, pneumatic pumping equipment, putty knife or trowel. Won't sag and dries quickly. Caulks are paintable and UL Listed with documented aging properties.

Uses: Seals out fire and smoke from pipe and cable penetrations through fire-rated construction.

# CP25 WB+ CAULK

Premium elastomeric latex seals out fire, smoke, noxious gas and water in most types of pipe and cable penetrations. Dries in just 10-15 minutes. Intumescent and endothermic properties.

## IC 15WB CAULK

Cost-effective intumescent latex for common pipe and cable penetrations seals against inadvertent water spills in the unexpanded state. Dries tack-free in just 8-12 minutes. JOINT CAULK AND SPRAY

One-part systems require no time-consuming mixing or measuring. Provide great movement capabilities.

# FIREDAM 150+ CAULK

Provides a continuous seal against fire and smoke with movement capabilities up to  $\pm 16\%$ . Installs quickly and easily with a standard or bulk-loading caulking gun, pneumatic pumping equipment, putty knife or trowel. Dries to the touch in 30-60 minutes and is paintable.

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Uses: An economical alternative to costly firestopping applications. Primarily used to firestop metal pipes or cables through concrete, gypsum and wood-frame assemblies.

# 1000 N/S SILICONE SEALANT

Designed to firestop both penetrations and expansion joints between fire-rated walls and floors, while helping prevent water from traveling from floor-to-floor. Excellent adhesion to most common construction materials.

Re-enterable and repairable sealant resists cracking and ultraviolet radiation. Remains elastomeric over time. Installs easily with standard caulking gun, pneumatic pumping equipment, putty knife or trowel.

# NEW WATERTIGHT (WT) TECHNOLOGY AVAILABLE! FIREDAM SPRAY 100

Highly elastic material allows ±25% joint movement, while maintaining a tight water-resistant seal to help stop the spread of water from floor-to-floor. Water-based spray allows easy cleanup and routine disposal with no special handling. Freeze-thaw tested and paintable. UL listed

### **MOLDABLE PUTTY+**

Remains pliable and flexible after installation - won't dry out or crumble over time. Handy putty molds easily into the penetration without special tools. Features Intumescent and endothermic properties. Provides immediate draft and cold smoke seal. Water-based for easy cleanup and routine disposal.

Uses: A re-enterable firestop for pipe, cable and telecommunication penetrations through fire-rated walls and floors. Ideal for electrical outlet box protection.

- Intumescent and endothermic properties.
- Provides an immediate draft and cold smoke seal.

Visit www.fireretardantsinc.com for Additional FIRESTOP Products and Complete Test Data, Technical and Specification Information.

# Fire Retardant (Asbestos Free) Proscenium Fire Safety Curtains, Light Borders, Blankets, Tarps, Mineral Wool for Fire Rated Curtain Wall Sound Attenuation.

PROSCENIUM FIRE SAFETY CURTAINS: Operational flame, heat and smoke barriers between an auditorium and a stage area are required by fire code. Curtains allow valuable time for safe evacuation of an audience and aids in overall fire containment. •Asbestos free •Custom made •Test lab certified •Palmtex® 3140 100% glass yarn fabric •Tested at 2000° F •Flame tested for 30 minutes showing no flame, glow or smoke passage to opposite side.

TESTS and APPROVALS: CA. Fire Marshall Office, ASTM E-119-88, E-84-89A, (CLBC STO) UBC standard, 42-1, 43-1, 6-1, UL 263, UL 723, NFPA 251, 255, ANSI A2.1, 2.5, approval and code compliance. • Trip Type Curtains • Steel Frame Curtain • Straight Lift Curtain • Bail Type Curtains, Plus Custom Curtain Sizes.

LIGHT BORDERS: Protect expensive stage curtains with special high temperature resistant material. Heat STOP 1832. Also provides excellent stage light masking. Black or beige. Any size with grommets.

FIRE RETARDANT CANVAS TARPS: 12 oz., flame, water and rot-resistant canvas. Leak-resistant thread at seams. Reinforced grommets every 3'. Nominal sizes: 12' x 12', 12' x 14', 12' x 18' or custom sizes.

FIRE SMOTHERING BLANKET: Fire retardant and self extinguishing. Water, tear, mildew and UV resistant. Cleanable and performs well in hot or cold extreme temperatures. Use to smother flames in a confined area. Special construction, black fiberglass. Chemically resistant to most acids, alkalis and solvents. Service temperatures of 1100°–1700° F. Reinforced grommets available. Nominal sizes: 6' x 8', 8' x 12', 12' x 12', 12' x 18'. Custom sizes available.

THERMAFIBER® MINERAL WOOL SOUND ATTENUATION FIRE BLANKET (SAFB), WALL, FLOOR OR CEILING CAVITY INSULATION FOR SOUND & FIRE-RATED ASSEMBLIES: Wall assembly STC to 61, R-Value per 1" thickness. 4 PCF density 4.0, 2.5 PCF density 3.7. 1-5 hr. fire-rated wall assemblies per ASTM E-119. 1"-6" thick, 16" or 24" wide. 48" long batts unfaced. Oversized creased batts also available. UL labeled tested to 2000° F, ASTM E-84 Class A, 0 Flame, 0 Smoke. Outperforms fiberglass. Noncombustible. (Additional Fire Retardant products back page.)

Visit www.fireretardantsinc.com for Additional Products and Complete Test and Technical Data, or Call: 1-800-913-9385.



Sizes: 2 oz., 8 oz., 16 oz., 32 oz., 1 Gallon, 5 Gallon, 55 Gallon Drum, 270 Gallon Tote and Tanker Truck. \*Test for color fastness and other effects on small sample prior to extensive use.

Visit our website www.odoreraser.com for complete product list and technical information, or call: 1-800-913-9385 or 952-448-7377.

BY THE GALLON OR BY THE TRUCKLOAD, ODOR ERASER™ IS AN EXCELLENT VALUE.