



**industrial energy products, inc.**

# **HOT•STOP 1500®**

## ***High Rise Building***

# **FIRE CURTAINS** Patent Pending

Fire fighters are faced with severe conditions and dangers when attacking today's high rise building fires. Modern materials add to the fire load and often the fire floor is beyond the reach of a hose stream.

Fire fighters can be faced with an even greater danger, if the fire floor window has vented, in the form a "blowtorch fire". The blowtorch effect is caused by high winds pushing the flame back into the building via the vented window.

To reduce the blowtorch effect high winds must be prevented from entering the fire floor, the HOT•STOP® 1500 High Rise Fire Curtain does just that. Industrial Energy Products, Inc. has developed the HOT•STOP 1500 High Rise Fire curtain in conjunction with the FDNY, leaders and innovators of progressive high rise fire attack tactics.

The HOT•STOP 1500 High Rise Fire Curtain utilizes HOT•STOP 1500 textiles available in a light, medium and heavy grades. HOT•STOP 1500 fabrics have excellent tensile strength and are highly abrasion resistant, with a 2080°F melting point. The curtain is supported by two high strength woven aramid strap handles (650°F) which are sewn into the vertical hem extending above and below the curtain for easy deployment.



HOT•STOP 1500 HIGH RISE FIRE CURTAIN BEING DEPLOYED AT THE FDNY'S RANDALLS ISLAND TRAINING FACILITY.



CURTAIN FOLDS INTO AN EASILY TRANSPORTABLE UNIT. CUSTOM CARRYING POUCHES ARE AVAILABLE.

# FIRE CURTAINS

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## PERFORMANCE FEATURES

- 2080° F melting point
- High tensile strength
- High abrasion resistance
- Heavy duty double stitching
- High strength / temperature support straps
- Vertical to horizontal seams are reinforced with steel rivets for added durability
  - Separate chain pockets sewn in place for a positive drop seal on building
    - Can be carried by one person
    - Can be deployed in under a minute

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## OPTIONS

- Can be fabricated to any dimension
- Can be constructed from HOT•STOP 1500 L or H
- Top seam grommets can be added for additional tag lines
- Ultra high strength Polyester strap handles with an Aramid protective cover
  - Water repellent breathable carrying bag
  - Woven Aramid handles available 2", 3", 4", 5" & 6" wide
- Handles available in 400# break strength Aramid, 650°F maximum temperature use
- Handles available in 6000# break strength Polyester, 300°F maximum temperature use

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## HOT•STOP 1500 SPECIFICATIONS

<u>Weight</u>	<u>Thickness</u>	<u>Break Strength</u> (Lbs. per inch)	<u>Taber Abrasion Resistance</u> (Cycles)
1500-L 27.5 oz / yd <sup>2</sup>	.050"	W - 400 F - 393.3	1240
1500-H 40 oz / yd <sup>2</sup>	.070"	W - 400 F - 400	4000

Moisture Absorbency (surface): up to 0.3%    Moisture Regain: None    Melting Temperature: 2080°F  
Propane torch test: HOT•STOP 1500 H was placed 2" from the flame of a propane torch at a 90° angle at temperatures up to 2000°F. Time in seconds for flame to penetrate: 1800

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### HOT•STOP® 1500 Fabrics can be tested & meet or exceed the following specifications

Flame Spread – 0 Fuel Contributed - 0, Smoke Density - 0  
U.S. Coast Guard Spec. 164.009  
U.S. Military Spec. MIL-C-270079  
U.S. Military Spec. MIL-I-24244  
Meets or exceeds NFPA Spec. 701

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