



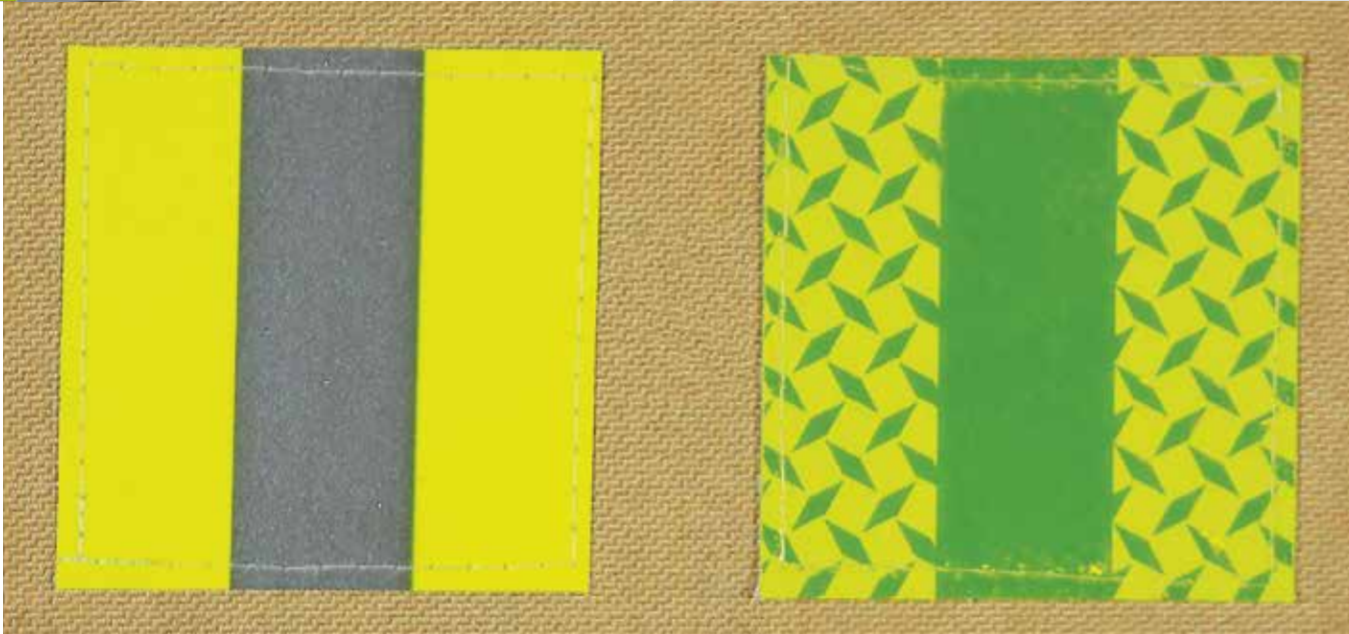
Trusted to stand up  
through extreme heat




to stand up through extreme heat

Which trim would you want on your gear?

	<p>Series 9500 Fire Coat Trim new</p>	<p>Reflexite® FTP 1500 Advanced new</p>
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	<p>Series 9500 Fire Coat Trim after 2 minutes at 260°C (500°F)</p>	<p>Reflexite® FTP 1500 Advanced after 2 minutes at 260°C (500°F)</p>
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3M Scotchlite™  
Reflective Material

# Trusted to stand up through extreme heat



## The performance you need, when you need it the most.

In a fire emergency, we know that the safety and visibility of your firefighters are top priorities. That's why 3M™ Scotchlite™ Reflective Material – Series 9500 Fire Coat Trim is designed to provide firefighters with high visibility, but also the durability needed to withstand high heat conditions.

To demonstrate that Scotchlite reflective material – series 9500 fire coat trim is your best choice for added protection and visibility, we tested the heat endurance of our product against another brand of trim, Reflexite® FTP 1500. The test was based on the Heat and Thermal Shrinkage Test of NFPA 1971–2007<sup>1</sup>, which states: “Trim shall not melt, separate, drip or ignite when tested for heat and thermal shrinkage at 260°C (500°F) for 5 minutes.” Both products do meet the Heat and Thermal Shrinkage requirements of the NFPA standard. **However, after just 2 minutes the Reflexite FTP 1500 turns black and brittle and Scotchlite reflective material – series 9500 fire coat trim maintains its shape, appearance, flexibility, nighttime visibility and durability.**

## A technological leader

Scotchlite reflective material – series 9500 fire coat trim is a premium, high performing, high visibility material used by firefighters worldwide. The trim is used when manufacturing NFPA compliant turnout gear and helps enhance the visibility of firefighters.

First Responders perform a range of duties and are exposed to low visibility hazards while fighting fires, executing search and rescue, conducting EMS operations, and performing emergency scene control. Workers need to be visible and noticeable to other first responders on the ground, as they direct equipment operators and motorists.

## Important Notice

**WARRANTY, LIMITED REMEDY AND DISCLAIMER:** 3M warrants that 3M™ Scotchlite™ Reflective Material that is stored, maintained and used in accordance with 3M's written instructions will meet the applicable 3M product specifications. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If any Scotchlite reflective material does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

**LIMITATION OF LIABILITY:** Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract or strict liability.

**PRODUCT USE:** Because of the variety of factors that can affect the use and performance of Scotchlite reflective material, user is solely responsible for evaluating the product and determining whether it is fit for a particular purpose and suitable for user's method of application. User is solely responsible for determining the proper amount and placement of the product. While reflective products enhance visibility, no reflective product can ensure visibility or safety under all possible conditions. 3M may change the product, specification and availability of the product as improvements are made; therefore, user should contact 3M for latest information before specifying the product.

Both products meet the heat and thermal shrinkage requirements of the NFPA standard. However, our tests revealed:<sup>1</sup>

### After 2 minutes at 260°C (500°F)

#### 3M™ Scotchlite™ Reflective Material – Series 9500

##### Fire Coat Trim:

- Maintained its shape, appearance, flexibility, nighttime visibility and durability
- Provided exceptional nighttime visibility
- Maintained a brightness measurement of over 500 cd/lux/m<sup>2</sup>

##### Reflexite® FTP 1500:

- Turned black and brittle
- Deformed and curled
- Brightness was less than 5 cd/lux/m<sup>2</sup> after 2 minutes

### After 3 minutes at 260°C (500°F)

Scotchlite reflective material – series 9500 fire coat trim maintained a brightness measurement of over 500 cd/lux/m<sup>2</sup>.

### After 5 minutes at 260°C (500°F)

The brightness of Scotchlite reflective material – series 9500 fire coat trim continued to stay above a 350 cd/lux/m<sup>2</sup> measurement.

<sup>1</sup>Testing conditions based on NFPA 1971-2007 Standard on Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting Section 8.6 Heat and Thermal Shrinkage Resistance Test: 260°C (500°F) for 5 minutes.



**Personal Safety Division**  
3M Center, Building 235-2W-70  
St. Paul, MN 55144-1000  
800-328-7098  
Scotchlite.com

**3M Canada**  
P.O. Box 5757  
London, Ontario N6A 4T1  
800-267-4414 Technical Service  
800-364-3577 3M HELPS  
3M.ca/Scotchlite

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