

3M™ Scotchlite™ Reflective Material
Series 9500 Fire Coat Trim



Why 3M

Trusted Performance

The original, premium, high visibility triple trim... depended upon worldwide for reliable performance when duty calls.



An emblem of firefighters everywhere



It's no wonder you see 3M™ Scotchlite™ Reflective Material – Series 9500 Fire Coat Trim on so many firefighters and emergency personnel worldwide. For over 25 years, it has been earning trust and respect from those whose safety depends on being visible.

Trusted because it's the original

3M pioneered the science of retroreflectivity and is widely recognized as the technology expert in developing high-performance visibility apparel for firefighters and workers. We've been earning our stripes for over 25 years—and it shows in our continued prominence as a #1 choice on turnout gear everywhere.

Now Authenticated

Look for the 3M logo

We put our emblem of quality on every batch of Scotchlite reflective material – series 9500 fire coat trim to give you assurance it's the genuine product. Protecting our trademarks is extremely important at 3M, and authenticating our product with the 3M logo is one measure we take so you always know you're getting what you specified. We've been authenticating certain products with a printed logo on the back for years, but now you can look for the 3M logo on the front of our products, too.



To confirm its authenticity, 3M™ Scotchlite™ Reflective Material – Series 9500 Fire Coat Trim has a subtly embedded 3M logo visible on the front where it can be seen, even on a completed garment.



Trusted to meet wet reflectivity standards

Rain or shine, 3M™ Scotchlite™ Reflective Material – Series 9500 Fire Coat Trim helps provide the on-the-job visibility firefighters need, meeting all requirements of NFPA 1971 and CGSB 155.1.

Independent testing shows:

A recent study measured the performance of high-visibility garments—some using microprismatic retroreflective materials, and others using beaded retroreflective materials—in natural rain conditions. **When tested in these natural conditions, silver beaded Scotchlite reflective material ranked #1 in luminance, even over microprismatics.**¹



Trusted to last the life of the garment

Today's budget constraints make it more important than ever for turnout gear to hold up to the job long-term. 3M™ Scotchlite™ Reflective Material – Series 9500 Fire Coat Trim delivers proven durability to last the life of a garment...and then some. A recent study² demonstrated how our fire coat trim keeps on working—in some cases, exceeding up to two times the required retroreflectivity performance³—even after a garment was retired.



“...even the most worn garment...averaged well above minimum and would be expected to return a significant amount of light to provide useful and effective nighttime conspicuity enhancement...”

(University of Kentucky Study)

Trusted to stand up through extreme heat

Exposure to extreme temperatures is a fact of life in fire fighting. That's why we engineer 3M™ Scotchlite™ Reflective Material – Series 9500 Fire Coat Trim to be able to take the heat. Compare the after-effects of extreme heat exposure on the two trims tested below and decide: which would you want on your gear?



Which trim would you rather have on your gear?



Daytime Visibility



Nighttime Retroreflective Visibility (simulated)

Both products meet the heat and thermal shrinkage requirements of the NFPA standard.

However, our tests revealed:⁴

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/m²

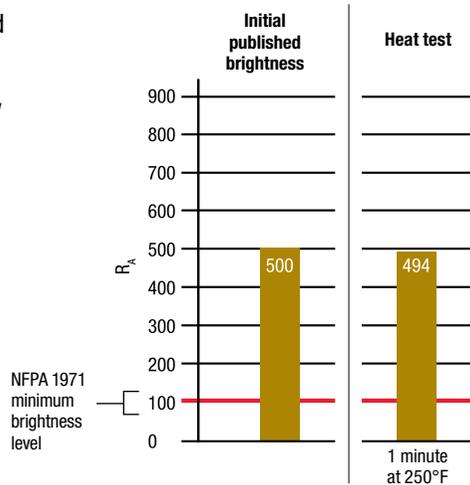
Reflexite® FTP 1500:

- Turned black and brittle
- Deformed and curled
- Brightness was less than 5 cd/lux/m² after 2 minutes

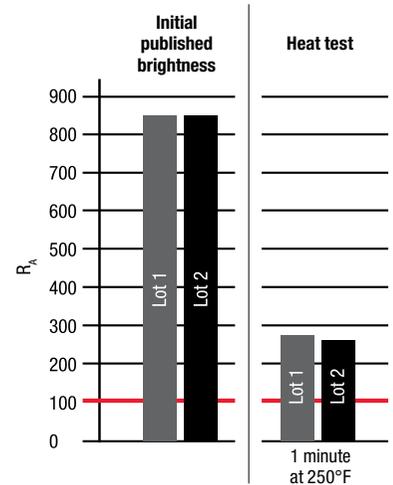
Trusted to stay bright⁵

What matters more to you: the brightness of turnout gear when it's new and unused—or the brightness after repeated heat exposure? The data, gathered from accredited third party testing, show how only **one minute** of 250°F heat can dramatically change the brightness of Reflexite® FTP 1575-S, and how 3M™ Scotchlite™ Reflective Material – Series 9500 Fire Coat Trim maintains its performance.

3M™ Scotchlite™ Reflective Material – Series 9500 Fire Coat Trim test⁶ results



Reflexite® FTP 1575-S test⁶ results



Why 3M?

because we pioneered the science of retroreflectivity

3M is widely recognized as the technology expert in high visibility. It's clear why firefighters and emergency personnel choose 3M™ Scotchlite™ Reflective Material – Series 9500 Fire Coat Trim over other brands. Its high visibility and durable performance help make it one of the most trusted, cost effective, ready-for-the-real-world trims available today!

MADE IN U.S.A. with U.S. and imported materials



3M™ Scotchlite™ Reflective Material is domestically produced at 3M's dedicated, state-of-the-art manufacturing facility from U.S. and imported materials and is processed according to strict quality guidelines. So you know you can count on its performance and compliance.





Authenticated. Innovated. Rigorously tested.



¹Source: *Nighttime Construction: Evaluation of Worker Safety Issues* (Illinois Transportation Research Center, 2003).
No reflective product can ensure visibility or safety under all possible conditions.

²Source: "Fire Fighter Turnout Gear Durability Study – Evaluation of Visibility Trim" (University of Kentucky), *Fire Engineering*, published October 2010.

³For optimal performance and durability, turnout gear should receive reasonable care and maintenance, as directed in NFPA 1851-2007. Materials which sustain critical damage impairing its function require timely replacement.

⁴Testing 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.

⁵Optimal product performance and lifetime are achieved through the practice of effective care and maintenance procedures, such as those specified in NFPA 1851.

⁶Testing was performed on two different lots of Reflexite® FTP 1575-S material by an accredited third party test facility, and included a 10-minute cool down period between the 10-minute heat exposure tests at 300°F.

For more information on Scotchlite reflective material products, contact your local 3M Sales Representative or call customer service at 800-328-7098.

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.

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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.



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