



# Trusted to meet wet reflectivity standards



## Study shows garments with glass beads outperformed prismatics in natural rainfall\*

### 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.

So 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.

### About the test:

Six high visibility construction garments in use by state Departments of Transportation across the U.S. were tested in actual nighttime work zones to compare their performance under different lighting and weather conditions. In one zone, luminance measurements were taken from the garments under natural rainfall conditions.

Performance Ranking	Manufacturer	Description
<b>1</b>	3M™ Scotchlite™ Reflective Material	Silver Beaded – 912.90 cm <sup>2</sup> of retroreflective area on front
<b>2</b>	Reflexite® Retroreflective Material	Yellow Prismatic – 1,114.58 cm <sup>2</sup> of retroreflective area on front
<b>3</b>	3M™ Scotchlite™ Reflective Material	Silver Beaded – 864.64 cm <sup>2</sup> of retroreflective area on front
<b>4</b>	3M™ Scotchlite™ Reflective Material	Silver Beaded – 919.35 cm <sup>2</sup> of retroreflective area on front
<b>5</b>	Unknown	Yellow PVC Prism Sheet – 633.03 cm <sup>2</sup> of retroreflective area on front
<b>6</b>	3M™ Scotchlite™ Reflective Material	Yellow Prismatic – 611.54 cm <sup>2</sup> of retroreflective area on front

**Important to note:** The garments that ranked #1 and #3 based on measured luminance in natural rain were constructed of a beaded retroreflective, split-trim design. The second place garment used a microprismatic retroreflective trim and was constructed using **18% more reflective material** than the garment that outperformed it. The questions remain: How would the second place garment have measured up using a retroreflective area equal to other samples? **Which garment would you trust in natural rainy conditions?**

When tested in these natural conditions, silver beaded 3M™ Scotchlite™ Reflective Material ranked #1 in luminance, even over microprismatics.\*

Download the reader @ <http://get.beetag.com>

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and view video demo

Contact your 3M Sales Representative or visit [Scotchlite.com/tripletrim](http://Scotchlite.com/tripletrim) for more information.

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



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