



EN469:2005  
ISO 14116:2008

Reflexite®

# FTP 2000

## Reflective Safety Tape for Fire-Fighters' Garments

### Product benefits include:

- Approved to EN469:2005 and ISO 14116:2008
- Approved to EN471:2003 + A1:2007 (Central stripe meets EN471. Not for use on EN471 garments where compliant tape width needs to be a minimum of 50mm wide)
- High performance microprismatic tape
- Smooth sealed outer surface ensures that the reflective elements work under all fire scene conditions
- Superior abrasion resistance
- Edge-to-edge reflectivity offers superior visibility in low light conditions
- Reflects in colour
- Mono-layer construction for added durability and performance
- Colour: Fluorescent lime with diamond pattern and centre stripe
- For sew-on application
- Standard roll-size: 50mm x 100m and 75mm x 100m



Engineered to Save Lives™

To find out more information visit [www.orafol.com](http://www.orafol.com)  
or e-mail [reflective@orafol.com](mailto:reflective@orafol.com) if you have any questions

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## GENERAL INFORMATION

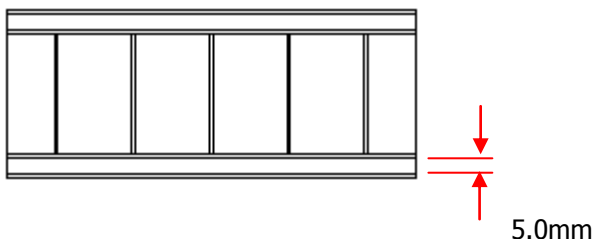
Reflexite® FTP1200 Advanced has been designed to meet or exceed the requirements of EN469 and EN471, offering superior reflectivity and durability under today's most demanding fire-fighting conditions. The tapes are produced with an application border. The following measures should be taken to achieve the optimum performance from the tapes.

For more information on FTP1200 Fire Tape Plus, please reference Technical Product Bulletins, which are available from local ORAFOL Reflective Solutions Ireland Sales Offices or [www.reflexite.eu](http://www.reflexite.eu)

## SEWING TO GARMENT BACKGROUND FABRIC

### Sewing Machine Settings

ORAFOL Reflective Solutions Ireland garment tapes may be sewn onto garments. Always ensure that the sew line is centered between within the area shown below, never allow the sew line to run into any of the sealed cells of the tape. See drawing below, please sew in the border shown



### IMPORTANT NOTICE

All Reflexite® and ORALITE® products are subject to careful quality control throughout the manufacturing process and are warranted to be of merchantable quality and free from manufacturing defects. Published information concerning Reflexite® and ORALITE® products is based upon research which the Company believes to be reliable although such information does not constitute a warranty. Because of the variety of uses of Reflexite and ORALITE® products and the continuing development of new applications, the purchaser should carefully consider the suitability and performance of the product for each intended use, and the purchaser shall assume all risks regarding such use. All specifications are subject to change without prior notice.

Reflexite® is a registered trademark of ORAFOL Europe GmbH.

Recommended stitches: 8 per 25 mm.

We recommend taking the following measures if the tape binds when being sewn:

1. Reduce pressure on the machine foot
2. Use a teflon coated pressure foot, if necessary
3. Use of a silicone spray or silicon coated cloth will help to lubricate the surface of the tape.

### Background Fabric

ORAFOL Reflective Solutions Ireland has performed compatibility checks with many readily available background fabrics. We cannot give an open guarantee that the chosen background fabric is fully compatible please check with the manufacturer of the fabric before use.

### Note –

Do not stretch the tape as it is being applied. ORAFOL Reflective Solutions Ireland recommends that the tape is turned under and sewn through the doubled over edge. This helps prevent moisture ingress. Where possible within the design of the garment the cut ends should be inside the seams of the garment

## Product



Reflexite® FTP2000 is a thin and flexible monolayered fluorescent lime retroreflective fire tape designed to meet or exceed the requirements of EN 469:2005 Protective Clothing for Fire-Fighters offering superior reflectivity and durability under today's most demanding fire-fighting conditions.

The smooth sealed outer surface provides superior performance in the critical areas of abrasion resistance, wet performance & cleanability. The product has a distinctive and visually appealing diamond pattern. The tape has a full width of 50mm and 75mm in combined characteristics; two fluorescent lime stripes at the edges and one retroreflective stripe in the centre.

## Construction

Reflexite® FTP2000 is composed of cube corner (microprism) retroreflective elements integrally bonded to a flexible, smooth-surfaced tough and weather resistant UV stabilised polymeric film. The prism surfaces are metalised to protect them from dirt and moisture. The product is provided with a specially formulated flame and heat resistant fabric backing and allows for sewing applications.

## Colour

Reflexite® FTP2000 is available in fluorescent lime, offering both superior daytime visibility through fluorescence, as well as outstanding nighttime visibility through reflected colour similar to that of its daytime appearance.

## Reflectivity

Reflexite® FTP2000 has a typical retroreflective value of 600 cd/lux/m<sup>2</sup> when measured at the 0.20°/5° geometry & exceeds the minimum reflectivity requirements of EN471 separate performance Level 2, when tested in the centre stripe only.

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The tape cannot be used to certify garments to EN471:2003+A1:2007 as the tape when measured in 50mm width, does not meet the minimum reflectivity requirements.

## Flame Resistance

Reflexite® FTP2000 meets the requirements of EN469:2005 Clause 6.1 and EN ISO 14116:2008 Index 3 when tested in accordance with ISO 15025 Method A in new condition and also after 50 wash cycles according to ISO 6330:2012 Method 2A (60°C) & 30 wash cycles according to ISO 6330:2012 Method 1A (92°C).

## Thermal Resistance

Reflexite® FTP2000 exceeds the photometric requirements of EN471 after convective heat exposure at 180°C for 5 minutes when new (EN469 2005 Annex B.3.1) & also exceeds the photometric requirements after 5 washing cycles (acc. to ISO 6330:2012 Method 2A) & convective heat exposure at 180°C for 5 minutes.

## Cleanability

Reflexite FTP2000 Fire Tape features a glossy top surface which is inherently resistant to soiling and allows for easy cleaning. Dirt, soot and smoke stains may be readily cleaned using non-abrasive soap and water, thus restoring significant reflectivity and fluorescence to the product.

## Care Instructions

Reflexite® FTP2000, when washed in accordance with ISO 6330:2012 Method 2A, will withstand a minimum of 50 washings at 60° C and when washed in accordance with ISO 6330:2012 Method 1A will withstand a minimum of 30 washings at 92° C when attached to a variety of background materials.



Please refer to document number CARE-45 for full care & application instructions.

## Product Availability

Standard rolls are 50mm (+ 1mm / - 0 mm) x 50m & 75mm (+ 1mm / - 0 mm) x 50m.

## Shelf Life

The product should be stored in its original packaging, at 20°C and 50% relative humidity and used within one year of receipt.