

## Description

ORALITE® FTP 2000 is a thin and flexible 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.

A smooth sealed outer surface provides superior performance in the critical areas of abrasion resistance, wet performance and cleanability. The product has a distinctive and visually appealing diamond pattern. The tape has a full width of 50 mm and 75 mm in combined characteristics; full width fluorescence and reflectivity, with a centre stripe with extra high reflective properties.

## Product Construction

ORALITE® FTP 2000 is composed of cube corner (microprism) retroreflective elements integrally bonded to a flexible, smooth-surfaced tough and weather resistant UV stabilized polymeric film. The prism surfaces are metallised 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.

## Product Approvals

The product is fully compliant with specifications:  
EN 469:2005

## Visual Appearance



## Colour

ORALITE® FTP 2000 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.

## Retroreflectivity

ORALITE® FTP 2000 has a typical retroreflective value of 600 cd/lux/m<sup>2</sup> when measured at 0,2° / 5° geometry and exceeds the minimum reflectivity requirements of EN ISO 20471:2013 separate performance, when tested in the centre stripe only.

The tape cannot be used to certify garments to EN ISO 20471:2013 as the tape when measured in 50 mm width does not meet the minimum reflectivity requirements.

## Care Instructions

ORALITE® FTP 2000, 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 6330:2013 Method 1A will withstand a minimum of 30 washings at 92° C when attached to a variety of background materials.



Please contact ORAFOL for full care and application instructions.

## Flame Resistance

ORALITE® FTP 2000 meets the requirements of EN 469:2005 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) and 30 wash cycles according to ISO 6330:2012 Method 1A (92° C).

## Thermal Resistance

ORALITE® FTP 2000 exceeds the photometric requirements of EN ISO 20471:2013 after convective heat exposure at 180° C for 5 minutes when new (EN 469:2005 Annex B.3.1) and also exceeds the photometric requirements after 5 washing cycles (according to ISO:6330:2012 Method 2A) and convective heat exposure at 180° C for 5 minutes.

## Cleanability

ORALITE® FTP 2000 features a glossy top surface which is inherently resistant to soiling and allows for easy cleaning. Dirt, sooth and smoke stains may be readily cleaned using non-abrasive soap and water, thus restoring significant reflectivity and fluorescence to the product.

## Shelf Life

The product should be used within one year from the shipment date. All rolls including partially used rolls should be stored in original packaging, tightly wound. Store in a clean and dry area, away from direct sunlight. Store at 20° C and 50% relative humidity.

## IMPORTANT NOTE

All ORAFOL products are subject to careful quality control throughout the entire manufacturing process, and it is ensured that they are of merchantable quality and free from manufacturing defects. The information published is based on our analyses and studies and does not constitute any warranted properties or any agreement as to quality. Due to the diverse possibilities of use of ORAFOL products and the constant development of new applications, the buyer should carefully consider the suitability and performance of the product for the respective purpose; it bears all risks associated with such use. No warranty is given for purposes other than those listed in the Technical Data Sheet or for applications that are not processed in accordance with ORAFOL's processing instructions.

The durability of the end product depends upon a variety of factors, including but not limited to substrate selection and preparation, compliance with the recommended application guidelines, geographical area, exposure conditions and maintenance of the ORAFOL material and of the end product. Product defects caused by the substrate or improper surface preparation do not lie within ORAFOL's sphere of responsibility.

When using ORAFOL products, the pertinent national regulations are to be observed. ORAFOL recommends that you obtain the current stipulations from your local authority and ensure that the product meets these requirements. Please contact ORAFOL for further information.

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