

Description

ORALITE® Brilliance Series fluorescent yellow-green retroreflective helmet patches are designed to exceed NFPA 1971, 2018 edition, *Standard on Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting* and offer superior reflectivity and durability under today's most demanding firefighting conditions.

Construction

ORALITE® Brilliance Series Helmet Patches are composed of cube corner (microprism) reflective elements integrally bonded to a flexible, glossy, tough, and weather resistant UV stabilized polymeric film. The microprismatic sheeting is RF welded to a thin polymeric backing coated with an aggressive pressure sensitive adhesive. This adhesive is designed for application to helmets and is protected by a paper release liner.

Reflectivity

ORALITE® Brilliance Series Helmet Patches have a typical retroreflective performance value of 500 cd/lux/m² when measured in accordance with NFPA 1971, 2018 edition. The patches exceed rainfall and convective heat exposure requirements.

Color

ORALITE® Brilliance Series Helmet Patches are available in fluorescent yellow-green color, offering both superior daytime visibility through 100% fluorescence, as well as outstanding nighttime visibility through reflected color similar to that of its daytime appearance. NFPA 1971, 2018 edition requires a minimum of four square inches of retroreflective and fluorescent trim be visible above the reference plane of the helmet.

Resistance to Chemical Exposure

ORALITE® Brilliance Series Helmet Patches offer resistance to a variety of chemicals potentially encountered in firefighting situations, and are able to withstand a 10-minute immersion in 5% HCl, heptane, MeOH, NaOH, gasoline, kerosene, and mineral oil without evidence of blistering or dissolving.

Cleaning

ORALITE® Brilliance Series Helmet Patches feature 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. The microprism reflective elements are behind the top surface and will not be affected by cleaning, abrasion or wet conditions.

Wet Performance

When tested according to the NFPA 1971-2018 edition, ORALITE® Brilliance Series Helmet Patches will typically retain 70% of its dry photometric performance.

Item Number

161-2062 S25; 25 shapes per sheet; 50 sheets per box
161-2062-004S20; 20 shapes per sheet; 50 sheets per box
202-2062 S16; 16 shapes per sheet; 50 sheets per box

Trapezoid: Size: short side: 1", long side: 2.25", height: 1.7
Trapezoid: Size: short side: 1", base: 2", height: 2.1"
Rectangle: Size: 1" x 4"

Note:

All ORALITE® products are manufactured within an ISO 9001:2015 controlled manufacturing environment and batch traceability is possible on the basis of the roll number.

IMPORTANT NOTICE

When using ORALITE® sheeting, please comply with relevant national specifications. ORAFOL® recommends obtaining the current requirements from your local authority and ensure product conformance with such requirements. Please contact ORAFOL® for further information.

All 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 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 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.



WARNING – This product may expose you to chemicals which are known in the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to – www.P65Warnings.ca.gov

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ORAFOL Americas – GA
1100 Oracal Parkway
Black Creek, GA 31308
Phone: 888.672.2251

reflective-americas@orafol.com

ORAFOL Americas – CT
120 Darling Drive
Avon, CT 06001
Phone: 800.654.7570

www.orafol.com

ORAFOL Canada
2831 Bristol Circle
Oakville, Ontario L6H 6X5
Phone: 888.727.3374