

Description

ORALITE® Brilliance® Series GP330 reflective trim is designed for use on all types of high visibility safety apparel. The retroreflective garment trim has a smooth-sealed outer surface as described in Part 6 of the MUTCD for traffic control devices.

ORALITE® Brilliance® Series GP330 reflective trim complies with all the requirements for retroreflective material in accordance with ANSI/ISEA 107-2020; and CSA Z96-2022 for Level 2 photometric performance.

Product Construction

ORALITE® Brilliance® Series GP330 reflective trim consists of a smooth surface, high gloss, abrasion and weather resistant uv-stabilized microprismatic retroreflective layer. The microprismatic film is welded to UV-stabilized polymeric film to protect the prisms from dirt and moisture. The trim can be sewn and /or high frequency welded.

Reflectivity

ORALITE® Brilliance® Series GP330 reflective trim exceeds the minimum reflectivity requirements of ANSI/ISEA 107-2020, Table 5 and CSA Z96-2022 for Level 2 performance. Typical photometric performance of Brilliance® Series GP330 reflective trim exceeds 700 cd/lux/m² for white and combined performance fluorescent yellow-green, and 400 cd/lux/m² for blaze orange and combined performance fluorescent red-orange at the observation angle 0.20° and entrance angle +5°.

Color

ORALITE® Brilliance® Series GP330 reflective trim is available in white, fluorescent yellow-green, blaze orange and fluorescent orange-red colors. The fluorescent yellow-green and the fluorescent orange-red colors meet the requirements of ANSI/ISEA 107-2020 and CSA Z96-2022 for Combined-Performance Materials. Combined-Performance Materials provide daytime visibility through fluorescent color and count as background material in calculating minimum area requirements.

Enhanced Surface Preparation

ORALITE® Brilliance® Series GP330 reflective trim is manufactured with a unique Enhanced Surface Preparation (ESP), which minimizes staining of the garment trim from fluorescent dyes as a result of bleeding from background fabrics during laundering and intimate contact. ESP also provides a glossy top surface, which is inherently resistant to soiling and allows for easy cleaning.

Wet Performance

When tested according to ANSI/ISEA 107-2020 section 10.4.6 Retroreflective Wet Performance, ORALITE® Brilliance Series GP330 reflective trim will typically retain 70% of its photometric performance when dry.

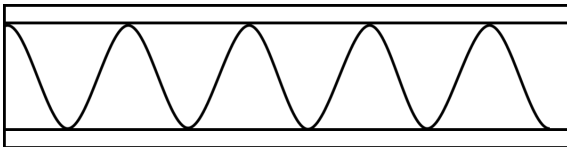
Machine Washing

ORALITE® Brilliance® Series GP330 reflective trim when washed in accordance with ISO 6330:2012, *Textiles - Domestic washing and drying procedures for textile testing*, Method 6N; continue to perform through 75 cycles at 140°F (60° C). Do Not Dry Clean

Application Instructions

ORALITE® Brilliance® Series GP330 reflective trim is manufactured with an outer sewing border area. The sewing borders provide an area for sewing and/or high frequency welding the trim to garments without damaging the reflective properties. Stitching outside the prescribed borders may compromise the integrity of the trim. A stitch count of 8 stitches per linear inch (2.54 cm) is recommended

Seal Pattern



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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

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

ORALITE® is a trademark of ORAFOL Europe GmbH



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