

Description

ORALITE® SB 231 is a tough weather resistant tape designed to be sewn or high frequency welded on to school bags. The product is fully compliant with German specification DIN 58124, and the tapes have been certified by an approved testing laboratory.

Product Construction

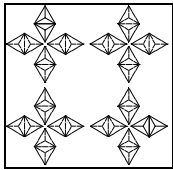
ORALITE® SB 231 is composed of cube corner (microprism) retroreflective elements integrally bonded to a flexible, smooth-surfaced tough and weather resistant UV stabilised polymeric film. The reflective material is welded to a UV stabilised polymeric film to protect the prism surfaces from dirt and moisture.

Product Approval

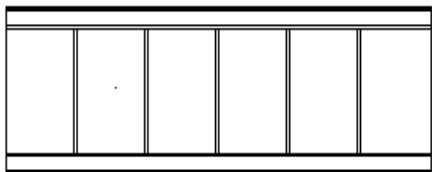
DIN 58124

Test certificates for CE mark acquisition are available upon request.

Film Logo Pattern



Visual Appearance



Colour

ORALITE® SB 231 is available in white and fluorescent lime. The colours conform to the colour requirements in Table 2, when measured in accordance with CIE Publication No. 15.2. The four pairs of coordinates determine the acceptable colour when measured with standard illuminant D65 using a Hunter LabScan.

Retroreflectivity

ORALITE® SB 231 complies with the minimum reflectivity requirements of DIN 58124. Typical coefficients of retroreflection for ORALITE® SB 231 in 35 mm version are shown in Table 1.

Care Instructions

ORALITE® SB 231 will withstand a minimum of 25 washings at 40° C when attached to a variety of background materials.



Please contact ORAFOL for full instructions.

Shelf Life

The product must 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.

Table 1
Retroreflectivity

Colour	Observation / Entrance Angle ($\beta_1, \beta_2=0$)		
	0,20° / 5°	0,20° / 30°	0,20° / 40°
15 White	580	300	200
20 Fluorescent lime	580	300	200

All values have units of cd/lux/m².

Table 2
Colour Specification Limits (Daytime)

Colour	Chromaticity Coordinates*							
	1		2		3		4	
	x	y	x	y	x	y	x	y
15 White	0,303	0,300	0,368	0,366	0,340	0,393	0,274	0,329
20 Fluorescent lime	0,387	0,610	0,356	0,494	0,398	0,452	0,460	0,540

*) The four pairs of chromaticity coordinates determine the acceptable chromaticity when measured with standard illuminant C using a Hunter LabScan spectrophotometer. Fluorescent colours shall be measured with standard illuminant D₆₅ using a Hunter LabScan spectrophotometer.

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.

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