

Description

ORALITE® Truck Flags are tough weather resistant, highly reflective sheeting certified for use as warning flags on trucks for the German market.

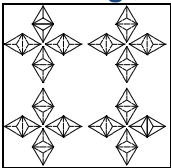
Product Construction

ORALITE® Truck Flags are 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 protected from dirt and moisture by the high frequency welding of the sheeting to a soft vinyl backing.

Product Approval

ORALITE® Truck Flags is approved to § 53b Abs. 5 StVZO. Approval number K33644.

Film Logo Pattern



Colour

ORALITE® Truck Flags are available in white, with transparent red chevron stripes. The colours conform to the requirements in Table 1 and 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

When illuminated with CIE standard illuminate A and measured with the provisions of CIE No.54, ORALITE® Truck Flags provides typical coefficients of retroreflection as shown in Table 3.

Solvent Resistance

Surfaces shall be treated with a mixture of 70% vol. of n-Heptane and 30% vol Toluol. It must not show any apparent surface changes, according to ECE Reg 3.

Shelf Life

ORALITE® Truck Flags muss innerhalb von 1 Jahr nach Lieferdatum verarbeitet werden. They should be stored in their original packaging, in a clean dry area, away from direct sunlight. Store at room temperature 20° C and at 50% relative humidity.

Warranty

ORALITE® Truck Flags have a one year warranty. Please contact ORAFOL for full details.

Table 1
Colour Specification Limits – New Colour (DIN 6171, Part 1, Table 4)

Colour	Chromaticity Coordinates*							
	1		2		3		4	
	x	y	x	y	x	y	x	y
White	0.305	0.315	0.335	0.345	0.325	0.355	0.295	0.325
Red	0.660	0.340	0.610	0.340	0.638	0.312	0.690	0.310

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

Table 2
Colour Specification Limits – Used Colour (DIN 6171, Part 1, Table 2)

Colour	Chromaticity Coordinates*							
	1		2		3		4	
	x	y	x	y	x	y	x	y
White	0.3050	0.3150	0.3500	0.3600	0.3400	0.3700	0.2950	0.3250
Red	0.6550	0.3450	0.5790	0.3410	0.6060	0.3140	0.6900	0.3100

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

Table 3
Reflectivity

Observation Angle	0.33°		1.5°	
Entrance Angle	5°	30°	5°	30°
White	180	100	5	2.5
Red	25	14	0.8	0.5

All values have units of cd/lux/m².

The above values are typical values for the average of orientation angles of 0° and 90°.

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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