ORALITE® Truck Flags For Tail Lifts

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.



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

	Chromaticity Coordinates*							
Colour	1		2		3		4	
Coloui	X	у	х	у	X	у	х	у
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 spectrocolorimeter.

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

_	Chromaticity Coordinates*							
Colour	1		2		3		4	
Coloui	Х	У	х	у	х	у	X	у
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 spectrocolorimeter.

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.

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