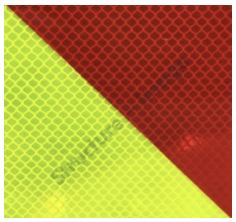
ORALITE® 6901

Brilliant Fleet Marking Grade

Reflective Properties

Cell structure:



Reflective Technology: Prismatic , Reflection norm: ORALITE 6901 - Tabelle 1, ORALITE 6901 - Tabelle 2

Areas of Application

- Emergency vehicles & vehicles with special rights
- Safety & emergency services
- Traffic & transportation

Colours

ORALITE® 6901 is available in the following colours: Yellow-Green fluorescent / Red (F029)

Total thickness

- 0.28 mm (Average value, without protective paper)

Front material

Acrylic film

Liner

One-sided silicon-coated PP film, 0.075 mm

Adhesive

Solvent-polyacrylate, permanent, White

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Technical properties

RESISTANCE

Resistance to cleaning agents	No change	adhered on aluminium | 9 h in detergent solution (0.5 % household cleaning agent) at room temperature and 65 °C (150°F)
Durability	7 Year(s)	with professional processing, with vertical outdoor weathering, central European normal climate
Shelf Life	1 Year(s)	in original packaging, at 20 °C and 50 % relative humidity
Temperature resistance	Minimum temperature -56 °C Maximum temperature 82 °C	adhered on aluminium

ADHESIVE PROPERTIES

Adhesive power	15 N/25 mm	after 24 h, on stainless steel | Average value, FINAT TM 1

PROCESSING

Suitable substrate	Metals, Aluminium, Galvanised sheet steel	

Table 1 - Specific coefficient of retroreflection R' in cd / (lx m²) (New condition)

Colours	0,33° / 5° (β2)	0,33° / 20 (β1)	0,33° / 30° (β2)	1,50° / 5° (β2)	1,50° / 20° (β1)	1,50° / 30° (β2)
Fl. lime	100	50	25	4	2	1
Red	25	17	14	1	0,5	0,5

Table 2 - Chromaticity coordinates, Fluorescent colour (Colour specification limits at daylight; New condition)

Colours	1		2		3		4		Luminance factor β	Fluo. Luminance factor βF
	x	y	x	y	x	y	x	y		

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fl. yellow-(029 green)	0,373	0,625	0,358	0,549	0,427	0,483	0,465	0,535	□ 0,60	□ 0,35

PRODUCT NOTE

The substrate to be bonded must be free of dust, grease or other contamination, which can affect the adhesiveness of the material. Re-coatings must be completely cured. Application tests with the foreseen paints and inks have to be performed in advance to determine the compatibility. The user is responsible for further application areas including the associated risks. The user must test and evaluate under their own responsibility whether a product is suitable for an application. For detailed processing instructions or information on edge sealants, please refer to the information issued by ORAFOL or contact your ORAFOL Reflective Solutions Division customer advisor. ORALITE® 6901 Brilliant Fleet Marking Grade develops the optimum performance level with an alignment of 0° or 90°. If separate individual cuts are joined together or positioned next to each other, it is recommended that they be aligned identically.

IMPORTANT NOTES

A warranty is excluded for applications which are not listed in the technical data sheet or which are not listed in accordance with the processing guidelines published by ORAFOL The durability of the film depends on a multitude of factors such as, for example, the selection and preparation of the substrate, compliance with the recommended processing guidelines, the geographical area of use, the weather conditions and the maintenance of the product and the finished sign. ORAFOL does not accept any liability for defects which can be traced back to an unsuitable substrate or inadequate surface preparation. For detailed information, please refer to the warranty document published by ORAFOL. The relevant national specifications have to be observed when using the ORALITE® 6901 Brilliant Fleet Marking Grade. ORAFOL recommends that you obtain the currently valid specifications from the relevant responsible authorities. Users must ensure that the products correspond to the respective valid regulations. For further information, please contact ORAFOL directly. All ORALITE® products are subject to thorough quality control during the entire manufacturing process. It is ensured that the products are of merchantable quality and free from manufacturing defects. The information published on the ORALITE® products is based on research results which the company considers to be reliable, but which do not constitute a guarantee. In view of the wide range of applications of ORALITE® products and the continuous development of new applications, it is up to the buyer to carefully check the suitability and performance of the product for the respective purpose. The buyer bears all risks which result from the use of these products. All specifications are subject to change. ORALITE® is a registered trademark of ORAFOL Europe GmbH.

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