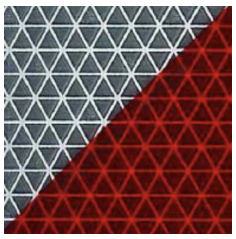
ORALITE® 5951M

Flexible Prismatic Container Marking Grade

ORALITE® 5951M Flexible Prismatic Container Marking Grade are flexible, highly reflective, weather-resistant, self-adhesive films for marking containers and swap bodies in public spaces.

Reflective Properties

Cell structure:



Reflective Technology: Prismatic , Reflectivity classes: RA2, Reflective film structure: C, Metalisation: yes, Reflection norm: ORALITE® 5951M - Tabelle 1 (DIN 67520:2013-10 RA2; Aufbau C), ORALITE® 5951M - Tabelle 2 (DIN 6171: 2013-10)

Areas of Application

- Containers & refuse containers
- Construction sites
- Industry
- Traffic & transportation

Colours

ORALITE® 5951M is available in the following colours: White / Red (F010)

Total thickness

- 0.36 mm (Average value, without protective liner and adhesive)

Front material

Polymer PVC film

Liner

PE-coated paper on both sides, siliconised on one side, 100 g/m²

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Adhesive

Solvent-polyacrylate, permanent (Extremely high initial adhesion), Transparent

Technical properties

RESISTANCE

Resistance to cleaning agents	No change	adhered on aluminium | 9 h in detergent solution (0.5 % household cleaner) at room temperature and 65 °C
Durability	5 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 -40 °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	Plastic, Metals, painted metal surfaces	
Application temperature	Minimum temperature 10 °C	

Table 1 - Specific coefficient of retroreflection R' in cd / (lx m²) (New condition; DIN 67520: 2013-10 RA2; Design C)

Observation Angle		0.2°			0.33°			2°		
Entrance angle		5°	30°	40°	5°	30°	40°	5°	30°	40°
White	(010)	250	150	110	180	100	95	5	2.5	1.5
Red	(030)	45	25	15	25	14	13	1	0.4	0.3

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Table 2 - Chromaticity coordinates (Colour specification limits at daylight; New condition; DIN 6171: 2013-10)

Colours		1		2		3		4		Luminance factor β
		x	y	x	y	x	y	x	y	
White	**(010)**	0.355	0.355	0.305	0.305	0.285	0.325	0.335	0.375	≥ 0.25
Red	**(030)**	0.735	0.265	0.674	0.236	0.569	0.341	0.655	0.345	≥ 0.03

PRODUCT NOTE

The substrate to be bonded must be free of dust, grease or other contamination, which can affect the adhesive strength of the material. Re-coatings must be completely cured. Application tests with the planned coatings have to be performed in advance to determine the compatibility. For other application areas the user is responsible for testing and assessing whether the product is suitable and whether risks may arise from its use. For detailed information please use the processing instructions published by ORAFOL No. 4.3. or contact the responsible employee of the ORAFOL Reflective Solutions Division. No warranty is assumed for purposes other than those specified in the technical data sheet or for products not treated in accordance with ORAFOL's processing and handling instructions. The durability of the films depends on a multitude of factors, amongst other the selection and preparation of the substrate, compliance with the recommended processing guidelines, the geographical region, the exposition conditions as well as the maintenance of the product. Defects which are caused by the substrate or improper surface preparation, do not lie within the responsibility of ORAFOL. For details, please refer to the warranty document issued by ORAFOL.

IMPORTANT NOTES

Relevant national specifications have to be observed when using films of the ORALITE® series. ORAFOL recommends that you obtain the current specifications from your local authority and ensure that the product complies with them. 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 they 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, the buyer should carefully weigh up the suitability and performance of the product for the respective purpose and they bear all risks in connection with such use. All specifications may be changed without advance notice. ORALITE® is a trademark of ORAFOL Europe GmbH.

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