ORALITE® 9910

Brilliant Grade Premium

ORALITE® 9910 Brilliant Grade Premium is CE-certified according to EAD 120001-01-0106 and offers excellent reflection properties and highest weather resistance. It complies with EN 12899-1 as well as international standards of type XI and is perfectly suitable for bonding on flat metallic surfaces such as aluminum or galvanized steel sheet.

Reflective Properties

Reflective Technology: Prismatic , Reflectivity classes: RA3

Areas of Application

- Traffic signs
- Construction sites
- Traffic & transportation
- Advertising & signage

Colours

ORALITE® 9910 is available in the following colours: White (F010), Yellow (F020), Red (F030), Orange (F035), Blue (F050), Green (F060), Brown (F080), Yellow-Green fluorescent (F029), Yellow fluorescent (F037), Orange fluorescent (F038)

Total thickness

- 0.37 mm (Average, without protective liner, standard colours)
- 0.42 mm (Average, without protective liner, fluorescent colours)

Front material

Acrylic film

Liner

One-sided silicon-coated PP film, 0.075 mm

Adhesive

Solvent-polyacrylate, permanent (permanent adhesion on metallic surfaces such as aluminium and galvanised steel sheet), White

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Technical properties

RESISTANCE

Durability	with professional processing and vertical outdoor weathering, central European normal climate	
	12 Year(s)	unprinted | up to
	10 Year(s)	For Yellow-Green fluorescent | up to
	3 Year(s)	For fluorescent orange | up to
Shelf Life	1 Year(s)	in original packaging, at 20 °C and 50 % relative humidity
Resistance to solvents and chemicals	Washing suds (0.5 % household cleaner)	adhered on aluminium | 9 h in detergent solution (0.5 % household detergent) at room temperature and 65 °C, no change
Temperature resistance	Minimum temperature -40 °C Maximum temperature 80 °C	adhered on aluminium

ADHESIVE PROPERTIES

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

PROCESSING

Application temperature	Minimum temperature 10 °C	

Certificates

- 9910, 0174_03_CERTIFICATE_ORAFOL_Oralite-2.pdf (Download)
- 2020-05-28 Orafol 5710 EG 0913-CPD-2009-001 Anlage.pdf (Download)
- 9910, 0174_03_CERTIFICATE_ORAFOL_Oralite-2.pdf (Download)
- 9910-Certifikat_1358_CPR_0174_2_ORAFOL.pdf (Download)
- CE certificate ORALITE 9910_13.03.2020-1.pdf (Download)
- CE certificate ORALITE 9910_13.03.2020-2.pdf (Download)
- 2020-05-28 Orafol 5710 EG 0913-CPD-2009-001 UK Anlage.pdf (Download)
- DoP9910.001.20220208-DE.pdf (Download)
- DoP9910.001.20230830-EN.pdf (Download)
- dop_9910.0.001.20201203_en.pdf (Download)

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- ce_orafol_9910_5018_cpr_20_0174_1_attachment_en-3.pdf (Download)
- ce_certificate_oralite_9910_13.03.2020-2.pdf (Download)
- dop_9910.0.001.20201203_en.pdf (Download)
- ce_orafol_9910_5018_cpr_20_0174_1_attachment_en-3.pdf (Download)
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- dop_9910.0.001.20201203_en.pdf (Download)
- ce_certificate_oralite_9910_13.03.2020-2.pdf (Download)

PRODUCT NOTE

ORALITE® 9910 Brilliant Grade Premium was developed specifically for the manufacturing of traffic signs. The substrate to be bonded must be free of dust, grease or other contamination, which can affect the adhesiveness of the material. The adhesive is designed for metallic substrates. 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. ORALITE® 9910 in white can be printed in screen printing with ORALITE® 5018 Screen Printing Ink. Printing via UV digital printing is also possible. The ORALITE® UV Traffic Sign Printer in combination with the UV digital print inks ORALITE® 5019i developed specifically for this purpose is approved for the application. The printed or laminated material still fulfils the specifications for reflectance values of this colour if the ORAFOL processing instructions are observed. The recommended overlay films are ORALITE® 5061 Transparent Film, ORALITE® 5090 Anti-Dew Film and ORALITE® 5095 Anti-Graffiti Film. Clear varnish is not required. 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.

IMPORTANT NOTES

Observe the relevant national specifications when using the ORALITE® films. 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 and 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, it is up to the buyer to carefully check the suitability and performance of the product for the respective purpose and assume all risks associated with this use. All specifications may be changed without advance notice. Any warranty is excluded for applications which are not listed in the Technical Data sheet or which are not performed in accordance with the processing guidelines set out by ORAFOL. The durability of the shields 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 application area, the weather conditions as well as the maintenance of the product and the finished shield. ORAFOL does not accept any liability for defects which can be traced back to an unsuitable substrate or inadequate surface preparation. You can find comprehensive information in the warranty document under www.orafol.com.

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