

ORALITE® 5300

Commercial Grade

ORALITE® 5300 Commercial Grade is a versatile reflective film for long-term outdoor applications where a minimum amount of reflectivity is sufficient.

Reflective Properties

Reflective Technology: Glass bead, Reflectivity classes: RA1, Reflective film structure: Design A (embedded glass beads)

Areas of Application

- Advertising
- Advertising & signage

Colours

ORALITE® 5300 is available in the following colors: White (color code 010), Yellow (color code 020), Orange (color code 035), Red (color code 030), Green (color code 060), Blue (color code 050)

Total thickness

- 0.095mm (Average value, without protective liner and adhesive)

Front material

Alkyd resin, 0.095 mm

Liner

Silicone cardboard PE coated on both sides, 155 g/m²

Adhesive

Solvent-polyacrylate

Technical properties

RESISTANCE

Resistance to cleaning agents	No change	adhered on aluminium 8 h in detergent solution (0.5 % household cleaner) at room temperature and 65 °C
-------------------------------	-----------	--

ORALITE® 5300

Commercial Grade

Durability	7 Year(s)	unprinted, with professional processing, with vertical outdoor weathering, central European normal climate
Shelf Life	2 Year(s)	in original packaging, at 20 °C and 50 % relative humidity
Resistance to solvents and chemicals	Mineral oils, Greases, Fuels, Aliphatic solvents, Salts and alkalis, Weak acids	with professional bonding
Seawater resistance	Tested	adhered on aluminium DIN 50021, after 100 h/ 23 °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 Average value, FINAT TM 1
Adhesive	Permanent	

PROCESSING

Recommended printing procedure	Screen printing
Application temperature	Minimum temperature 10 °C
Proposed application technology	Dry application

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 have to dry for at least 3 weeks to fully cure. Application tests with the foreseen paints and inks have to be performed in advance to determine the compatibility. The self-adhesive, reflecting material can only be applied when dry. For detailed information please refer to the processing notes published by ORAFOL. 4.2. 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 advice, please contact the responsible ORAFOL Reflective Solutions Division representative. The batch can be traced in accordance with ISO 9001 by means of the roll number.