

ORALITE® 5821

High Intensity Fleet Marking Grade

ORALITE® Reflective films series 5821 High Intensity Fleet Marking Grade are flexible, weather-resistant, self-adhesive retroreflective films with excellent corrosion and solvent resistance. The smooth surface allows excellent printability.

Reflective Properties

Reflective Technology: Glass bead, Reflectivity classes: RA2, Reflective film structure: B

Areas of Application

- Emergency vehicles & vehicles with special rights
- Traffic & transportation

Total thickness

- 0.21mm (Average value, without protective liner and adhesive)

Front material

Acrylic film

Liner

One-sided silicon-coated PP film, 0.075 mm

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
Durability	4 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, Weak acids, Salts and alkalis	with professional bonding

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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	Removable	

PROCESSING

Recommended printing procedure	Screen printing	The use of screen printing inks ORALITE® 5010 and 5018 is recommended. A transparent coating is not required.
Suitable substrate	painted metal surfaces	
Application temperature	Minimum temperature 10 °C	

IMPORTANT NOTES

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