



Reflective Solutions

Pre-printed reflective films
designed for the marking of utility vehicles

ORALITE® 5921M/ RA

Prismatic Fleet Marking Grade

ORALITE® 5821

High Intensity Fleet Marking Grade

ORALITE® 5421

Commercial Fleet Marking Grade

ORAFOL®

Engineered to Save Lives™

ORALITE® For Utility Vehicle Marking

ORAFOL offers a full range of pre-printed fleet marking films, including commercial grade, high intensity grade, and prismatic grade materials. The full range was developed specifically to comply with the requirements defined in § 35 (6) of the Federal German Road Traffic Licensing Order (StVo) and DIN 30710.

	ORALITE® 5921M RA	ORALITE® 5921M	ORALITE® 5821	ORALITE® 5421
Grade	High Intensity Prismatic	High Intensity Prismatic	High Intensity	Commercial
Construction	Prismatic	Prismatic	Encapsulated glass bead	Embedded glass bead
RapidAir®	+	-	-	-
Durability	5 years*	5 years*	5 years*	4 years*
Flexibility	Highly flexible	Highly flexible	Flexible	Highest degree of flexibility
Approved to	ECE 104 Class F, ECE 70 Class 5, DIN 30710 and TPESC	ECE 104 Class F, ECE 70 Class 5, DIN 30710 and TPESC	DIN 30710	TPESC
Easy to apply	+	+	+	+
Repositionable during application	+	-	-	-
Edge sealing not required	+	+	Edge sealing recommended	+
Withstands power washing	+	+	+	+

*) Depending on the stress the films are subjected to, full functionality is guaranteed for the above stated number of years.

Application Instructions

Measure the length of the area to which the film is to be applied and cut an appropriate piece of material from the roll. Peel back approximately 10 cm of the siliconised backing material from one end of the film and fold it back. After carefully planning the film's position and alignment on the vehicle, press the end with the exposed adhesive layer to the vehicle using a squeegee or hand roller. Continue to remove the backing material from the film slowly and evenly, pressing the reflective film to the vehicle surface with the squeegee or roller. Be sure to use the squeegee in a sweeping motion, starting from the centre and working towards the edges of the material, to firmly affix the film and avoid air pockets.



IMPORTANT - Application Conditions

For optimum adhesion and performance, the ORALITE® materials must be applied to surfaces that are free of dust, dirt, debris and grease. Materials must be applied when the substrate surface temperatures are between 15° C and 28° C. The reflective material must be applied under dry conditions only!

When applying material to freshly painted surfaces, be sure to let the paint dry and cure for a minimum of three weeks prior to applying the ORALITE® material. **Find the full application instructions at www.orafol.com.**

Practical Information

Edge Sealing (ORALITE® 5821 only)

It is recommended to seal the film edges with ORACAL® 951 Edge Protection Film, in order to prevent staining or lifting of the edges.

To seal the edge of the film, apply half of the edge protection film to ORALITE® 5821 and the remaining half to the vehicle surface. It is recommended to attach the edge protection film to the reflective film first and use a squeegee to work out the transition to the vehicle surface before securing the film to the vehicle.

Package Contents

The materials are available as both full rolls or as pre-packed kits. The pre-packed kits include all the components needed for the application of the product to a utility vehicle.

Please contact ORAFOL for details:
reflective.solutions@orafol.de



Application of edge protection film



Package contents, ORALITE® 5821

Removal of Films

Heat the film using a tool such as a hot air gun, and then peel the film away evenly at an approximate 30° angle. To avoid adhesive residues on the vehicle, the film should be removed slowly and at not too high a temperature. If adhesive residues do occur, these can be removed using a paint compatible solvent.

Cleaning of Films

Add a standard rinsing agent to water. After washing, be sure to rinse the surface with clear water and dry it. If using a high pressure cleaner, the distance between the vehicle and the cleaning nozzle should be at least 50 cm. Do not direct the steam jet directly at the edge of the film.

ORALITE®

Further Information

For further information about technical parameters, see the Technical Data Sheet.

For additional questions, please contact us:

Tel: +49 (0) 33 01/ 8 64 - 0

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www.orafol.com

The information provided herein is based on our knowledge and practical experience. Given the wide variety of possible variables during processing and application, customers are advised to test our products independently for special applications. This information does not constitute a legally binding guarantee of certain characteristics.



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Find out more about our products at:
www.orafol.com · www.orafoleurope.com

