

DICHIARAZIONE CONFORMITA' DELLA PELLICOLA RIFLETTENTE UTILIZZATA



CARATTERISTICHE FOTOMETRICHE

Rifr. Min. = 50 a $0,2^\circ/5^\circ$ e 35 a $0,33^\circ/5^\circ$ (cd/lux/m²)

INTERVALLI COLORIMETRICI (sistema x,y) E DI LUMINANZA (Y) CLASSE 1

Dichiariamo che tutte le pellicole rifrangenti classe 1^a, certificati n° 08/1869(397) e n° 08/1248(795) rilasciati da SSOG, di classe 2^a, certificati n° 09/1872(6271) e n° 08/1640(1796) rilasciati da SSOG, di classe 2^a speciale, certificato n° 09/4206(156) rilasciato da SSOG, attestano la conformità a quanto previsto dal "Regolamento di esecuzione e attuazione del Codice della Strada, DPR n° 495 del 16/12/1992" e successive modifiche ed al "Disciplinare tecnico sui livelli di qualità delle pellicole rifrangenti, DM 31 marzo 1995" - UNI 12899-1. I prodotti da noi distribuiti sono stati controllati e sottoposti alle prove in conformità al sistema standard qualitativo UNI EN ISO 9001:2000.

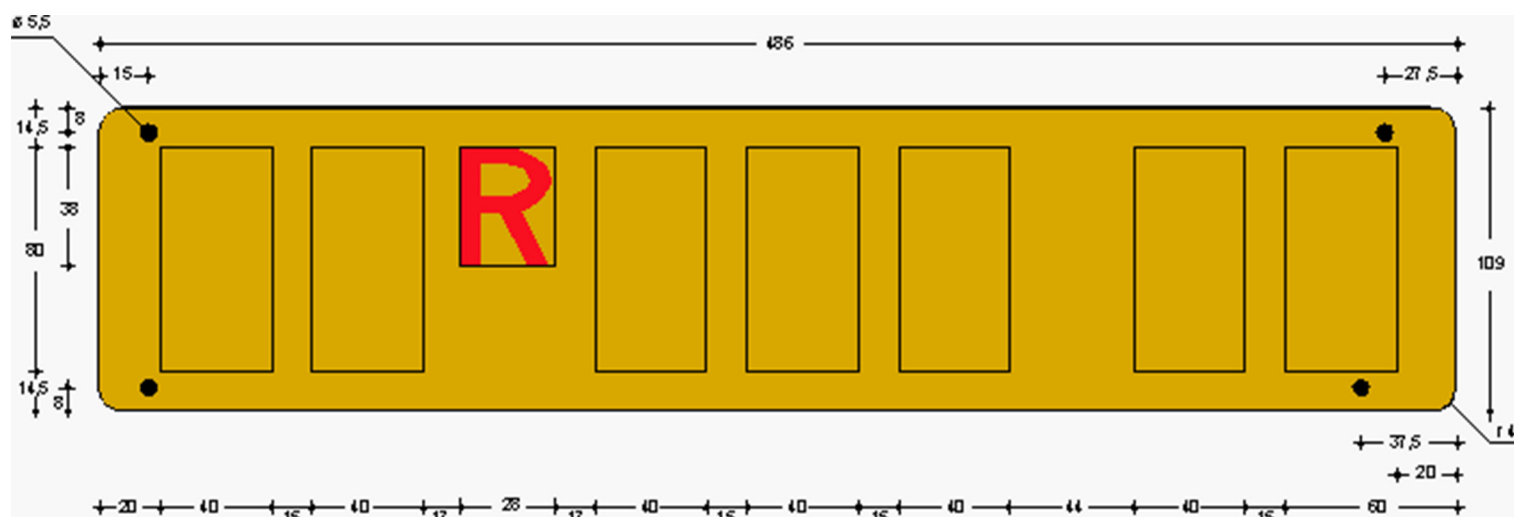


Figura III 4/I Art. 258

TARGA RIPETITRICE PER VEICOLI TRAINATI DA AUTOVEICOLI

PRO-MEMORIA

SIFA PRESENTE CHE LE TARGHE RIPETITRICI PER RIMORCHI, INDICATE NEL D.P.R. 495 DEL 16/12/1992, PURCHE' CONFORMI PER STRUTTURA, FORMA, DIMENSIONI E CARATTERISTICHE TECNICHE A QUANTO PREVISTO NEL SU CITATO D.P.R.,

NON SONO SOGGETTE AD OBBLIGO DI OMOLOGAZIONE

TALE OBBLIGO SI ESTENDE SOLO AI DISPOSITIVI PER I QUALI SI RENDE NECESSARIO IL RISPETTO DI DETERMINATE NORME TECNICHE OBBLIGATORIE CHE GARANTISCANO UN LIVELLO MINIMO DI PRESTAZIONE A TUTELA DI:

SICUREZZA - INQUINAMENTO - RISPARMIO ENERGETICO.

LE TARGHE RIPETITRICI, PERTANTO, PER LORO DEFINIZIONE E MODELLO D'USO, NON RIENTRANDO IN QUESTE TIPOLOGIE DI DISPOSITIVI **NON SONO SOGGETTE AD OBBLIGO DI OMOLOGAZIONE** -

Description

Soft PVC film available both with glossy or matt surface.

Release Paper

Silicone coated paper on one side, 135 g/m², which provides excellent weed-stripping properties. For white vinyl, a light blue silicone paper is used, to form a stronger contrast to lettering.

Adhesive

Polyacrylate, permanent

Area of use

Very well suited for use on cutting plotter systems in the production of short- and medium-term markings, inscriptions and decorations. Outdoor applications. Indoor exposure is almost unlimited. Glossy surface is additionally suitable for thermal transfer printing (with resin ribbons).

Technical Data

Thickness* (without protective paper and adhesive)	75 micron	
Dimensional stability (FINAT TM 14)	Adhered to steel, no measurable shrinkage in cross direction, in length 0,4 mm max.	
Temperature resistance***	Adhered to aluminium, -40° C to +80° C, no variation	
Water resistance	Adhered to aluminium, after 48h/23° C, no variation	
Adhesive power* (FINAT TM 1, after 24h, stainless steel)	16 N/25 mm	
Tensile strength (DIN EN ISO 527)	Along:	min. 19 MPa
	Across:	min. 19 MPa
Elongation at break (DIN EN ISO 527)	Along:	min. 130%
	Across:	min. 150%
Shelf life**	2 years	
Application temperature	> +10° C	
Service life by specialist application Under vertical outdoor exposure (normal climate of Central Europe)	Black / white:	4 years
	Transparent / coloured:	3 years
	Metallic:	3 years

* average ** in original packaging, at 20° C and 50% relative humidity *** normal climate of Central Europe

Note

Surfaces to which the material will be applied must be thoroughly cleaned and free from dust, grease or any other contamination that could affect the adhesion of the material. Freshly lacquered or painted surfaces should be allowed to dry for at least three weeks and to completely cure. The compatibility of selected lacquers and paints should be tested by the user, prior to application of the material. Furthermore, the application information published by ORAFOL must be considered. The batch traceability according to ISO 9001 is possible on the basis of the roll number.

IMPORTANT NOTICE

All ORACAL® products are subject to careful quality control throughout the manufacturing process and are warranted to be of merchantable quality and free from manufacturing defects. Published information concerning ORACAL® products is based upon research which the Company believes to be reliable although such information does not constitute a warranty. Because of the variety of uses of ORACAL® products and the continuing development of new applications, the purchaser should carefully consider the suitability and performance of the product for each intended use, and the purchaser shall assume all risks regarding such use. All specifications are subject to change without prior notice. ORACAL® is a registered trademark of ORAFOL Europe GmbH.

Application

ORAFOL recommends to use only material with the same batch number for the same colour. There are two major methods of application: dry and wet adhesion. For dry adhesion, first position the film cut and press it at one corner on the surface. Then adhere the remainder by applying a plastic squeegee across the film in overlapping sweeps. Depending on the size of the cut being mounted, the silicone paper may be removed completely before bonding or gradually during the adhering procedure. When using ORATAPE® application paper or film, pull these slowly away from the film at a 180° angle. Wet adhesion should only be done in warm weather when temperatures are at least +18° C. Spray the exposed adhesive side with low-surface-tension water (water mixed with a flushing agent) and lay it upon the receiving surface. The ease of precise positioning is the great advantage of the wet adhesion method.

Press the film to the surface using sweeping, overlapping motions. Make sure that the water is completely squeezed out from between the surface and the adhesive. For wet adhesion, we recommend ORATAPE® MT72 application paper. After a short drying period, remove application paper carefully at a 180° angle. Slightly moistening the back side of the application paper makes this procedure even easier. The bond is improved if the film is pressed again to the surface after a few hours. To avoid differences in perceived colour after adhesion, ORACAL® coloured films should always be worked and adhered in one direction only. When mounting across overlapping sheets of metal or expansion joints, use a sharp knife to separate the film at these points so that the film does not come loose when exposed to motion. Different background profiles are used in vehicle construction.

When applying films to such backgrounds always follow the profile. Never just lay out the film and press it under tension into the recess. With overlapping film adhesion, it is important to make sure that the edges of the film sheets overlap by a minimum of 4 mm and a maximum of 12 mm. When applying film to film, make absolutely sure that only films of the same manufacturer and the same type are put on top of each other (monomeric film on monomeric film and polymeric film on polymeric softened film).

Caution! Certain thermal insulation glazing systems may be damaged by self-adhesive films due to thermal stresses caused by extreme temperature fluctuations.

Application on cars

For the application on cars please see additionally the practical information on how to apply self-adhesive films on cars. For the application on car windows the remarks in the practical information for application on cars are to be followed.

Service life by climate zones

The service life specified in the technical data sheets applies to vertical outdoor exposure under normal central European environmental conditions. The following table provides an overview of the expected reduction in the service life under deviating environmental conditions, which are divided into three climate zones. The specification is valid for all color films suitable for vertical and horizontal application (such as entire vehicle wrapping, vehicle lettering and marking). In case of all other films, the service life data apply only to vertical uses.

<u>Climate zone 1: temperate</u> (e.g. Nord/Central Europe / North US) Vertical: Data in the technical datasheet Horizontal: C1) vertical minus 50%	<u>Climate zone 2): humid / warm</u> (e.g. Europe – Mediterranean region, Southeast US, Oceania) Vertical: C1) vertical minus 2 years Horizontal: C1) horizontal minus 1 year
<u>Climate zone 3): arid / hot</u> (e.g. Middle East / North Africa, desert regions in AUS, Southwest US) Vertical: C1) vertical minus 4 years Horizontal: C1) horizontal minus 2 years	Exceptions For service life of ≤ 5 years in C1) vertical applies: C3) vertical = C2) vertical minus 50% C3) horizontal = C3) vertical minus 50%

Climate zone 1* temperate		Climate zone 2* humid / warm		Climate zone 3* arid / hot	
vertical	horizontal	vertical	horizontal	vertical	horizontal
12.0	6.0	10.0	5.0	8.0	4.0
10.0	5.0	8.0	4.0	6.0	3.0
8.0	4.0	6.0	3.0	4.0	2.0
7.0	3.5	5.0	2.5	3.0	1.5
6.0	3.0	4.0	2.0	2.0	1.0
5.0	2.5	3.0	1.5	1.5	0.75
4.0	2.0	2.0	1.0	1.0	0.50
3.0	1.5	1.0	0.5	0.5	0.25

Note

The service life data exclude in principle any gradual changes that may be caused by aging or weather conditions during the application period. Examples are minor color deviations, reduction of gloss and surface embrittlement without crack formation.

Removability

Environment and surface temperature must be at least +20° C before these films can be removed. Using a knife, first lift up cautiously one corner of the film. Then slowly draw the film from the surface at a 180° angle. Heating the film with a hot-air gun while pulling makes removal considerably easier. If the film being removed is very old, a small amount of residue from the adhesive may remain on the surface. It can be removed easily with varnish thinner.

This information is based on our knowledge and experience. We have not explained all considering aspects of application. Specialised or occupational knowledge and competence of a professional sign maker are presupposed. Due to the diversity of potential influencing factors during application and use, we recommend to make own tests of our products by customers who wish to use the films for special applications. No legally binding warranty of certain qualities can be derived from our information.

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