ORACAL® 7710RA

Fluorescent Premium Cast Plus

Short description

Specially developed for emergency vehicles, premium cast PVC film with a high degree of attention thanks to its intensive lighting effect in all daylight conditions. Especially effective at dawn and dusk and other poor visibility conditions. The series ORACAL® 7710RA Fluorescent Premium Cast Plus is available in the colours 029 Yellow fluorescent and 039 Red fluorescent. The RapidAir technology enables a simple and quick adhesion, whereby the occurrence of blisters and folds in particular for large formatted applications is reduced. Air pockets can be easily smoothed out from under the film. The special adhesive allows adhesion on painted substrates, even if they are uneven. With strongly curved surfaces as well as in beads and over rivets, the film has to be cut and bonded overlapping. In adhered state the material can be removed with suitable aids.

Front material

Cast PVC film, cast film, 0.17 mm

Liner

RapidAir paper PE-coated on both sides, siliconised on one side, 143 g/m²

Adhesive

Solvent-polyacrylate, removable, Transparent, repositionable, 0.03 mm

Technical properties

RESISTANCE

Durability	with vertical outdoor exposure, normal Central European climate 4 Year(s)	
Shelf Life	2 Year(s)	in original packaging, at 20 °C and 50% relative humidity
Resistance to solvents and chemicals	Oils, Greases, Fuels, Weak acids, Salts and alkalis, Isopropyl alcohol, Washing suds (0.5 % household cleaner)	At room temperature
Maximum shrinkage	Maximum shrinkage along 0.15 mm Maximum shrinkage across 0.15 mm	bonded to steel | Average value, FINAT TM 14 bonded to steel

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Elongation at break	Minimum elongation at break along 150 % Minimum elongation at break across 150 %	Average value, DIN EN ISO 527
Tensile strength	Minimum tensile strength along 18 N/mm² Minimum tensile strength across 18 N/mm²	DIN EN ISO 527
Seawater resistance	no change	after 100h/35°C | adhered to aluminum, DIN EN ISO 9227
Temperature resistance	Minimum temperature -40 °C Maximum temperature 80 °C	Short-term exposure up to 110 °C |

ADHESIVE PROPERTIES

Adhesive power	16 N/25 mm	after 24 h, on stainless steel | Average value, FINAT TM 1

PROCESSING

Application temperature	Minimum temperature 10 °C	

PRODUCT 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.

IMPORTANT NOTES

All ORACAL® products are subject to careful quality control throughout the manufacturing process. It is guaranteed that the products are delivered in merchantable quality and free of manufacturing defects. The traceability of our goods in accordance with ISO 9001 is ensured by means of the roll number. The information published on ORACAL® products is based on research results which the company believes to be reliable, but which do not constitute a guarantee. Because of the wide variety of uses of ORACAL® products and the continuing development of new applications, it is the responsibility of the purchaser to carefully evaluate the suitability and performance of the product for its intended use. Furthermore, the processing instructions issued by ORAFOL must be observed. The purchaser bears all risks arising from the use of these products. All information is subject to change without notice. ORACAL® is a registered trademark of ORAFOL Europe GmbH.

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