

Description

Three-layered, light yellow, cadmium-free high Premium Cast PVC film with a glossy surface. Fulfills the requirements of DIN 67510. The afterglow effect is characterised by a lasting and very strong afterglow once the active light source has been switched off. This process can be repeated as often as required as the phosphorescent properties of the film will not be impaired. Does not contain radioactive materials.

Release Paper

Double sided PE coated paper, one side siliconised, 143 g/m²

Adhesive

Solvent polyacrylate, permanent adhesive

Area of use

For indoor and outdoor marking of emergency exits and danger spots. For exterior use, it is recommended that the film be combined with the laminating film ORAGUARD® 293.

Printing Method

Inkjet printing with solvent-based inks, UV- or latex inks.

Technical Data

Luminous density* (DIN 67510-1:2009)	After 10 min.: 35 mcd/m ² After 60 min.: 5 mcd/m ²
Decay time* (DIN 67510-1:2009)	750 min (0,3 mcd/m ²)
Thickness* (without protective paper and adhesive)	150 micron
Weight* (without protective paper and adhesive)	230 g/m ²
Dimensional stability (FINAT TM 14)	Adhered to steel, shrinkage 0,2 mm max.
Temperature resistance***	Adhered to aluminium, -40° C to +100° C, no variation
Adhesive power* (FINAT TM 1, after 24h, stainless steel)	18 N/25 mm
Tensile strength (DIN EN ISO 527)	Along: > 12 MPa Across: > 10 MPa
Elongation at break (DIN EN ISO 527)	Along: > 100% Across: > 100%
Shelf life**	2 years
Minimum application temperature	> +8° C
Service life by specialist application Under vertical outdoor exposure (normal climate of Central Europe)	5 years (not printed)

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

Note

After printing, the ink must be allowed to thoroughly dry, in order to avoid any issues when later combined with the laminate. Surfaces to which the material will be applied must be thoroughly cleaned and free from dust, grease or any contamination which 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 the selected lacquers and paints should be tested by the user, prior to the 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.

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