

ORALUX 9100

Description

Three- layered, greenish- yellow, cadmium- free special PVC film with matt satin surface. The afterglow effect ist characterized by a lasting and very strong afterglow once the exciting illumination has been switched off. Excitation can be repeated as often as required, the phosphorescent properties of the film will not be impaired. *Does not contain radioactive materials.*

Release paper

Silicone coated on one side, 135 g/m².

Pressure sensitive adhesive

Solvent polyacrylate, permanent

Areas of use

For use where the marking of emergency exits and danger spots must be ensured.

Printing methods

Screen- printing is recommended.

Technical data*

Luminous density (DIN 67 510- Jan. 1992)	after 10 minutes 20,0 mcd/m ² after 60 minutes 2,8 mcd/m ²
Decay time (DIN 67 510- Jan. 1992)	340 minutes (0,3 mcd/m ²)
Thickness (without paper and adhesive)	450 micron
Weight per unit area (without paper and adhesive)	810 g/m ²
Tensile strength (DIN EN ISO 527)	along min. 12 MPa across min. 10 MPa
Elongation at break (DIN EN ISO 527)	along min. 100 % across min. 100 %
Dimensional stability (DIN 53 377- 5 minutes, 70°C, water)	along about 1,5 % across about 1,5 %
Flamability (DIN 53 438 T3)	F1
Adhesive power (FINAT FTM-1, after 24 h, stainless steel, average)	18 N/ 25 mm
Minimum application temperature	+8°C
Temperature resistance	adhered to aluminium -35°C to +80°C no variation
Shelf life (20 °C and 50 % relative humidity)	2 years
Service life by specialist application (vertical application)	5 years for indoor applications

Attention:

Surfaces to which the material will be applied must be thoroughly cleaned from dust, grease or any contamination that could affect the adhesion of the material. Freshly lacquered or painted surfaces should be allowed to stand for at least three weeks after complete curing. The compatibility of selected lacquers and paints should be tested by the end-user, prior to use.

*The statements in this information sheet are based upon our knowledge and practical experience. This data is intended only as a source of information and is given without guarantee and does not constitute a warranty. Due to the wide variety of possible uses and applications customers should independently determine the suitability of the material for their specific purpose, prior to use.

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