

# ORALUX 9300 Luminescent Cast

Technical Data Sheet

08/10 Entwurf / Draft

## Description

Three-layered, greenish-yellow, cadmium-free special PVC film with matt satin surface. The afterglow effect is characterized by a lasting and very strong afterglow once the exciting light source 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 liner

Silicone coated on one side, 137 g/m<sup>2</sup>.

## Adhesive

Solvent polyacrylate, permanent

## Area of use

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

## Printing method

Screen printing is recommended.

## Technical Data

<b>Luminous density*</b> (DIN 67510 - Jan.1992)	
after 10min	20,0 mcd/m <sup>2</sup>
after 60min	2,8 mcd/m <sup>2</sup>
<b>Decay time*</b> (DIN 67510-Jan.1992 )	340 min (0,3 mcd/m <sup>2</sup> )
<b>Thickness*</b> (without protective paper and adhesive)	150 micron
<b>Weight*</b> (without protective paper and adhesive)	230 g/m <sup>2</sup>
<b>Dimensional stability</b> (FINAT TM 14)	adhered to steel shrinkage 0.3 mm max.
<b>Temperature resistance</b>	adhered to aluminium, -40°C to +100°C, no variation
<b>Flammability</b> (DIN 53438 T3)	F 1
<b>Adhesive power*</b> (FINAT TM 1, after 72h, stainless steel)	18 N/25mm
<b>Tensile strength</b> (DIN EN ISO 527)	
along	min. 12 MPa
across	min. 10 MPa
<b>Elongation at break</b> (DIN EN ISO 527)	
along	min. 100%
across	min. 100%
<b>Shelf life**</b>	2 years
<b>Application temperature</b>	> +8°C
<b>Service life by specialist application</b> under vertical indoor application (normal climate of Central Europe)	5 years (not printed, indoor applications)

\* average

\*\* in original packaging, at 20°C and 50% relative humidity

## Attention:

Surfaces to which the material will be applied must be thoroughly cleaned 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 respectively. 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 is to be considered. The batch traceability according to ISO 9001 is possible on the basis of the roll number.

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 this material for their specific purpose, prior to use.



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