

ASLAN NL 149

The photoluminescent glass decoration film

This new glass decoration film with its look like etched glass allows you to create individual motifs with a cutting plotter or digital printer that have a bright luminescent effect by night. Thanks to its especially developed and unique pigmentation, it stores light very effectively during the day. By night it emits the light with a high intensity on both sides of the film. This effect of charging and emitting is repeatable as often as you want.

This special film is free of cadmium and not radioactive. The film is suitable for screen and digital printing (for all major solvent, eco solvent and UV-curable inks). The satin matt colourless surface ensures fadeless print layouts. Due to its thickness we recommend the application on the inside in order to prevent dirt from accumulating on the edges.

The luminescent pigments of the new ASLAN NL 149 are qualified for toys (EN 71-3 approval) and thus the film is ideal for application in children's rooms as decorative emergency light.

ASLAN NL 149 can be also used for computerised cutting of high-quality designs, letterings and logos.

For any further information please contact our technical advisory service:
+49 (0)2204.708-80

CONSTRUCTION

face-film:	2-layered PVC-film	
thickness:	~ 350 µm	
adhesive:	acrylic pressure adhesive	square quantity: ~ 60 g/m ²
release liner:	silicon cardboard	square weight: ~ 140 g/m ²

CHARACTERISTICS

adhesive strength: (ASTMD-903)	immediately after 1 week	~ 2.5 N/25 mm ~ 5 N/25 mm
dimensional stability:	after 48 hours stored at 70 °C (25 x 25 cm)	max. - 0.5 %
chemical resistance:	In a preece test of 24 hours the applied film is resistant to most petroleum based oils, greases and aliphatic solvents, mild acids, alkalis and salts.	
combustibility:	Stuck on aluminium, the film is self-extinguishing.	
temperature:	application temperature: service temperature range:	min. 15°C -30 °C up to +80 °C
minimum durability:	3 years outdoors, with vertical exposure, in middle-european climate.	

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PROCESSING

- printability:** The material is printable with solvent and ecosolvent-containing inks.
(In case of inadequate drying of the printing inks the film will be sodded and the adhesive negatively affected.)
- application:** Dry application only.

For the application of letterings etc. we recommend our ASLAN Application Tapes respectively the ASLAN TMO.
- storage life:** Before application the films can be stored for minimum 3 years from date of production. The film must be stored at room temperature (15 - 25 °C) and a relativ humidity of the air of 50 - 60%. To avoid pressure points appearing on the roll surface, we recommend the rolls be stored either vertical standing or for this purpose designed 'hanging' racks.

state: 11|2009

All technical data and advice is based on our experience and measured testing that we believe to be reliable. It remains the customer's responsibility to test our products suitability for the purpose intended.

The quality of our products is regularly examined, upgraded and developed. We reserve the right, without prior notice, to adjust, upgrade and improve the chemical structures or physical characteristics of their products in accordance with their latest knowledge.

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