

ASLAN D 160

The ultimate diffuser film for lightboxes

This ultimate diffuser film has been specially developed for lightboxes and illuminated signs.

The film has a special pigmentation and therefore it diffuses the light evenly.

It assures a strong and even scattering of light.

Construction

face-film:	calandered soft-PVC (polymeric softeners)		
thickness:	~ 85 µm		
adhesive:	acrylic pressure adhesive	square quantity:	~ 25 g/m ²
release liner:	satined paper	square weight:	~ 67 g/m ²

Characteristics

dimensional stability:	applicated onto aluminium after 48 h stored at 70 °C (25 x 25 cm)	max. - 0,45 %
adhesive strength (ASTMD-903)	immediately: 1 week adhered:	min. 2,0 N/cm min. 4,0 N/cm
temperature:	min. application temperature: service temperature range:	15 °C -30 °C up to +80 °C
light proofness:	DIN 53 388	non-fade grade: 7-8
light transmission:	DIN 53147	approx. 46 %
chemical resistance:	Resistant to most petroleum based oils, greases and aliphatic solvents. Resistant to mild acids, alkalies, and salts.	
outdoor durability:	min. 5 to 7 years when properly processed and applied (vertical exposure, unprinted film). Should the foils be exposed to extreme conditions, e.g. tropical countries, in countries with long periods of high temperature, regions of excessive ecological damage relating to high UV radiations, extreme humidity their life will be reduced.	
combustibility:	stuck on AL, the film is self-extinguishing.	

ASLAN D160

The ultimate diffuser film for lightboxes

Processing

application:	both dry or wet. During wet application the adhesive might be coloured white. This will - subject to weather conditions - disappear within a few days.
colour adaption:	Like every product, coloured films have production tolerances. For large contracts, where a large quantity of the same colour film is required, care should be taken on the following lines: Each graphic should be from the same roll. For multi cutting jobs the rolls need to be supplied from the same production batch. Before placing your order please make us aware if this is required. To ensure same colour impression to the human eye, films should be cutted and applied longline.
storage properties:	Adhesive power, not less than three years from date of production. The films must be stored at room temperature and be protected from direct sunlight, excessive heat, high atmospheric humidity and dampness. To avoid pressure points appearing on the roll surface, we recommend the rolls be stored either on end or on purpose design `hanging` racks.

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. ASLAN, Schwarz GmbH & Co. KG 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.

ASLAN, Schwarz GmbH & Co. KG

POB 5165 • D-51486 Overath / Oberauel 2 • D-51491 Overath-Untereschbach / Germany

Tel. +49 (0)2204-708-80 • Fax +49 (0)2204-708-50 • VAT-ID-No. DE121964163

E-Mail: Info@ASLAN-Schwarz.com • Internet: www.ASLAN-Schwarz.com

Date: 02/2002