

ASLAN E200, E210, E300

The translucent, self-adhesive glass decoration films

High quality films with specially formulated pigments which render these films consistently coloured. It has a reduced glossy surface to avoid reflections.

The films will appear the same effect whether viewed by external or internal artificial light sources. These high quality films are excellent in use for computerized cutting of designs and lettering.

The ASLAN E 200 with a transparent, semi matt surface, ASLAN E 210 with a whitish surface for etch look effects and the ASLAN E 300 with a satin surface with metal pigments.

Technical data

Construction

face-film:	calandered soft-PVC (polymeric softeners)	
thickness:	~ 80 µm	
adhesive:	acrylic pressure adhesive	square quantity: ~ 25 g/m ²
release liner:	poly coated cardboard	square weight: ~ 140 g/m ²

Characteristics

dimensional stability:	applied 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. 3,0 N/cm min. 5,0 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	~ 97,0 % (E 200) ~ 46,0 % (E 210) ~ 66,5 % (E 300)
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, alkalies and salts.	
outdoor durability:	approx. 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 aluminium, the film is self-extinguishing.	

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Processing

application:

The Films can be applied both dry or wet.
During wet application the adhesive might be coloured white. This will
- subject to weather conditions - disappear within a few days.
For wet application we recommend the ASLAN Transfer-Liquid TL 10.

For the application we suggest ASLAN TMO assembly foil or our
ASLAN application tapes. In order to guarantee a perfect transpore of
the cut film we recommend you apply the tape or the TMO onto the film,
turn the cut graphic over and remove the release liner carefully.

colour adaption:

Like every product, PVC 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:

Before application the foils can be stored for minimum 3 years from date
of production. The films must be stored at room temperature (15 – 25 °C)
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

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