

Description

ASLAN CT 113 has been specially designed for illuminated signs. The vinyl has a crystal clear colour transparency free of streaks and colour deficiencies and therefore enables brilliant colour effects when it is internally lit by artificial light sources. It also has great effects on glass surfaces.

By applying one colour over the top of another (superimposing) an unlimited number of colour combinations can be obtained. Each tint offers differing grey scales when used on copies and blue-print reproductions.

This high quality film is excellent in use for computerized cutting of designs and lettering.

Technical Data

Construction

Face Flim	Calandered soft-PVC (monomeric softeners)
Thickness	~ 80 µm
Adhesive	Acrylic pressure adhesive free of solvent and preservative substrates square quantity: ~ 22 g/m ²
Release Liner	Single sided 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. - 0,5 %
Adhesive Strength (ASTMD-903)	Immediately: min. 1,5 N/cm 1 week adhered: min. 3,0 N/cm
Temperature:	Min. application temperature: 15 °C Service temperature range: -30 °C up to +80 °C
Light Properties:	DIN 53 388 non-fade grade: 6-8
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. 5 years when properly processed and applied (vertical exposure, unprinted film). Should the foils be exposed to extreme conditions, e.g. tropical climate, 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.

Technical Data (continued)

Processing

Printing:

The film can be imprinted by screen process.
(The printing inks must be allowed to dry completely to avoid saturation and negative modification on the adhesive occurring).

It has to be tested in advance whether the films can be imprinted with modern digital printing methods.

Application:

Film can be applied both dry or wet.
During a wet application the adhesive might become slightly white. This will – subject to weather conditions – disappear within a few days. For a wet application we recommend the transfer liquid ASLAN TL 10.

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

Gloss:

There can be matt areas on the surface of glossy films near the core of the roll. These can be caused by the uprolled backing paper and will disappear shortly after applying the vinyl.

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:

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.