

# ColourShift ASLAN SE 70



## Transparent dichroic film with two effects

Upgrade the look of your glass or other flat surfaces with ASLAN's self-adhesive dichroic films. Two transparent dyed films with changing colours depending on your viewing angle and light conditions.

Usable for plotts or full surface applications, indoors and outdoors, on flat surfaces such as shop windows, acrylic, POP/POS displays etc. Create fluent colour effects using the transparent ColourShift ASLAN SE 70 Solar (item no. 13141S) or Nebula (item no. 13140S) and also check out the four equally stunning and eye-catching opaque effects of ColourShift ASLAN SE 71 Aurora, Alpha, Andromeda and Plasma.

For further information or questions regarding special applications please contact our technical advisory service: **+49 2204.708-80**

## Construction

Face film:	Polyester	
Thickness:	~ 110 µm (~ 4.3 mil)	
Adhesive:	pressure sensitive polyacrylate	square quantity: ~ 25 g/m <sup>2</sup>
Release liner:	siliconised polyester film	square weight: ~ 70 g/m <sup>2</sup>

## Characteristics

Adhesive strength (ASTM D903):	immediately: after 72 hours:	~ 0,7 N/25 mm ~ 2,4 N/25 mm
Dimensional stability:	applied onto aluminium after 48 hours stored at 70 °C (158 °F) (25 x 25 cm)	no shrinkage measurable
Temperature:	application temperature: service temperature range:	min 10 °C (50 °F) -5 °C (23 °F) up to +50 °C (122 °F)
Durability:	Up to 2 years outdoors, with vertical exposure, in central European standard climatic conditions.	

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## Processing

### Application:

In general, the film can be applied dry. A wet application reduces static and helps positioning. Being a PET base film water can't diffuse through the film. Therefore, all water used has to be squeegeed out during application.

ColourShift ASLAN SE 70 is exclusively suited for smooth, even, non-elastic and non-curved surfaces. The film must not be applied on outgassing surfaces like non-tempered acrylic glass, since bubbles might occur, particularly under short-term exposure to heat.

To bring out the colour effect as ideally as possible, the substrate should be absolutely smooth and homogenous as well as free of dust, grease and oil. To minimize an electrostatic charge during the application, the humidity of the working environment should be increased and machines, e. g. laminators, should be grounded (please also see our separate tips on reducing electrostatics).

The liner should be removed in one piece and as evenly as possible. Slightly moistening the back (liner) reduces an electrostatic charging when removing the liner from the self-adhesive film. When applying the product dry, a laminator or a flatbed applicator should be used.

To receive a homogenous look, each sheet of film should always be applied in the same direction to avoid contrary colour effects. Combinations of vertical and horizontal applied sheets are not recommended. We recommend using the film from one production batch for a uniform effect in the same projects.

Transfer liquid ASLAN TL 10 is recommended for wet applications.

### Storage:

Before application the films can be stored up to 2 years from date of production. The film must be stored at room temperature (15-25 °C / 59-77 °F) and at a relative air humidity of 50-60%. To avoid pressure points appearing on the roll surface, we recommend the rolls be stored either standing vertically or in a purposely designed 'hanging' racks.

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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 the suitability of our products for the intended purpose.

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