ColourShift **ASLAN SE 71**

Opaque dichroic film with four effects

As colourful as pictures of our planets are these four dichroic, self-adhesive films. The opaque films are mainly suitable for indoor applications and are first choice for eye-catching plotted claims, slogans, wall tattoos, logos etc. Changing viewing angles or lighting create a stunning fluent colour change.

Use it to create memorable campaigns so that people will remember shops, exhibition stands, brands etc. These colours are available: Aurora (pink to light blue, item no. 13142S), Alpha (magenta to yellow, item no. 13143S), Andromeda (copper to green, item no. 13144S) and Plasma (dark blue to green, item no. 13145S).

For further information or questions regarding special applications please contact our technical advisory service:
+49 2204 70880

Construction

Face film:	PVC film laminated with glossy, special coated polyester film	
Thickness:	~ 190 µm	
Adhesive:	Polyacrylic pressure sensitive adhesive	Square quantity: ~ 20 g/m²
Release liner:	Silicone cardboard	Square weight: ~ 120 g/m²

Characteristics

Adhesive strength (ASTM D903):	Immediately: After 72 hours:	~ 0.8 N/25 mm ~ 5.5 N/25 mm
Temperature:	Application temperature: Service temperature range:	min. 10 °C -5 °C up to +50 °C

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Processing

Application:

The film is to be applied dry. ColourShift ASLAN SE 71 is exclusively suited for smooth, even, non-elastic and non-curved surfaces. The film must not be applied on outgassing surfaces like nontempered 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 lint. 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).

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.

For the application of letterings etc. we recommend our application tape ASLAN TMO.

Processing:

The film can be cut using a flatbed cutter as well as a roll cutter with tangential head using a 60° knife. The vertical height of capital letters should not be smaller than 40 mm with a width of min. 6 mm.

Application:

Indoor application only is recommended since the film has a limited outdoor life (up to 3 months, depending on weather conditions). There might be a few areas where it is noticeable that the dichroic effect is more concentrated. This happens due to the film's characteristics. These spots occur randomly and ASLAN cannot guarantee that deliveries are free of such spots.

Storage life:

Before application the film can be stored up to 18 months from date of production.
The film must be stored at room temperature (15-25 °C) and a relative 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 in for this purpose designed `hanging´ racks.

State 10|2020

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.

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