

# 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/m <sup>2</sup>
Release liner:	Silicone cardboard	Square weight: ~ 120 g/m <sup>2</sup>

## Characteristics

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

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## Processing

### Application:

Application dry or wet. If applied wet, a possible whitening of the adhesive occurs but will fade away after a couple of days depending on the weather. For wet application we recommend the transfer liquid ASLAN TL10. For the application of fonts etc. we recommend our ASLAN application tapes respectively the ASLAN TMO

Applying wet often avoids a static charge and makes positioning easier. Please pay attention to the fact that water diffuses poorly through the film's polyester surface. In these cases, water has to be pressed out completely and carefully by using a squeegee..

The ColourShift ASLAN SE 71 can only be applied on smooth and even surfaces and is not suitable for curved surfaces. The film should not be applied on outgassing surfaces like non-tempered acrylic glass.

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.

### 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.

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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.