

MirrorEffect SimplyApply ASLAN SE 76

Highly reflective, scratch-resistant and simple to apply mirror effect film

This self-adhesive polyester film is characterized by a high-quality mirror like effect and can be applied easily and fast without using water. Furthermore, the film is easy to correct and repositioning does not cause material cracking.

Applied on flat surfaces, the surface of the film reflects mirror images brilliantly, and makes rooms appear optically larger and brighter. The scratch-resistance of the film ensures that the mirror effect remains brilliant in the long term.

Especially designed for the decoration of smooth surfaces, the self-adhesive mirror effect film is ideally suited for applications in exhibition stand construction, shop fitting, visual merchandising, interior design etc.

For any further information please contact our technical advisory service:
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Construction

face film:	Aluminised PET	
thickness:	~ 75 µm	
adhesive:	Polyacrylate adhesive	square quantity: ~ 18 g/m ²
release liner:	siliconised polyester film	square weight: ~ 75 µm

Characteristics

adhesive strength: (ASTMD-903)	immediately:	~ 0,2 N/25 mm
	after 72 hours:	~ 0,3 N/25 mm
temperature:	application temperature:	min. 15 °C (dry application)
	service temperature range:	-30 °C up to +80 °C
dimensional stability:	applied on aluminium after 48 hours at 70 °C (25 x 25 cm)	no shrinkage measurable

Processing

digital cutting:	The self-adhesive film is ideally suited for cutting. The vertical height of capital letters should not be smaller than 20 mm with a width of min. 3 mm. When cutting the self-adhesive film, the pen pressure should be set higher.
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EXPERTISE IN SELF-ADHESIVE FILMS

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application:

In general, the film can be applied dry. A wet application reduces static and helps repositioning. Being a PET base film water can't diffuse through the film. Therefore, all water used has to be squeegeed out during application. When applied on acrylic glass, the adhesive strength increases after several hours. A wet apply can lead to a whitening of the adhesive. This will reduce the brilliance of the mirror effect on the adhesive side.

MirrorEffect SimplyApply ASLAN SE 76 is exclusively suited for smooth, even, non-elastic and non-curved surfaces. The film must not be applied on outgasing surfaces like non-tempered acrylic glass, since bubbles might occur, particularly under short-term exposure to heat.

To bring out the mirror 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).

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.

Due to the high scratch-resistance of the film's surface, the film can be applied to large areas without the need to over-laminate it with an additional protective film.

For the application of letterings etc. we recommend the application tape LowTackTape ASLAN TP 110.

To exclude that tunneling might occur, the self-adhesive film should only be cut face down. In case, the cut film is rolled up for storage or transportation, this should be done in the same direction of winding it was delivered in, in a generous radius (> 5 cm) and ideally onto a core.

film surface:

Tiny surface defects like spots and matt stripes as well as slight optical distortions are due to technical reasons and comply with the standard quality.

cleaning:

The film can be cleaned with a microfiber cloth or commercially available cleaning agents. Cleaning aids or agents used should be non-abrasive and free of aggressive solvents.

storage life:

Before application, the films can be stored for minimum 2 years 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 for this purpose designed 'hanging' racks.

To avoid tunneling, we recommend to store rolls tightly wrapped and tape them up.

State: 05|2019

All technical data and advice are 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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