MirrorEffect AntiScratch **ASLAN SE 78**

PVC free

Highly reflective, scratch-resistant mirror effect film in silver and gold

This self-adhesive polyester film is characterised by a high-quality mirror like effect. Applied on even substrates, the surface of the film reflects mirror images brilliantly, and makes rooms appear optically larger and brighter. The high scratch-resistance of the film ensures that the mirror effect remains brilliant in the long term. With its almost identical surface finish on both sides, the mirror-effect film ensures an outstanding appearance, even in behind-glass applications.

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 further information or questions regarding special applications please contact our technical advisory service: **+49 2204 708-80**

Construction

Face film:	polyester, metallised	
Thickness:	~ 50 µm (~ 1.9 mil)	
Adhesive:	pressure sensitive polyacrylate	square quantity: ~ 25 g/m²
Release liner:	siliconised polyester film	square weight: ~ 75 µm

Characteristics

Adhesive strength (ASTM D903):	immediately: after 1 week:	~ 4,5 N/25mm ~ 12,5 N/25mm
Dimensional stability:	applied onto aluminium after 48 hours stored at 70 °C (158 °F) (25 x 25 cm)	 no shrinkage measurable
Temperature:	application temperature:	min. 15 °C (59 °F) (dry application) min. 20° C (68 °F) (wet application)
	service temperature range:	-30 °C (-22 °F) up to +80 °C (176 °F)
Durability:	Up to 2 years outdoors, with vertical exposure, in central European standard climatic conditions.	

ASLAN Selbstklebefolien GmbH
Oberauel 2 | 51491 Overath | Germany
Fon +49 2204 708 80

E-Mail info@aslanfolien.de
Web www.aslanfolien.de

ASLAN®
KOMPETENZ IN SELBSTKLEBEFOLIEN

MirrorEffect AntiScratch **ASLAN SE 78**

PVC free

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. When cutting the self-adhesive film, the pen pressure should be set a higher and a cutter blade for thicker materials should be chosen.

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.
MirrorEffect AntiScratch ASLAN SE 78 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 mirror effect as ideally as possible, the substrate should be absolutely smooth and homogenous as well as free of dust, grease and lint. To minimise 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.
Edges of the film can be protected against humidity and environmental conditions by sealing them with a suitable edge sealing compound.
To exclude that tunneling might occur, the self-adhesive films 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:

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 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.

State 10|2026

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.

ASLAN Selbstklebefolien GmbH
Oberauel 2 | 51491 Overath | Germany
Fon +49 2204 708 80

E-Mail info@aslanfolien.de
Web www.aslanfolien.de

ASLAN
KOMPETENZ IN SELBSTKLEBEFOLIEN