# MagicProtect Matt **ASLAN SL 99**

## Matt protection film with highly repellent effect

The matt protection film made from a special top-coated polymeric softened PVC for smooth and 2D-surfaces. It features a highly repellent coating protecting prints successfully against graffiti, dirt and other surface vandalism. The effect is like water on a lotus blossom – the paint is dripping off while spraying. This prevents completing the graffiti as the “work” cannot be finished.

The film can be applied onto digital prints and on smooth and rough surfaces and protects the prints perfectly. Also, paint residues can easily be removed from smooth surfaces only with a damp microfiber cloth and water. For rough surfaces we recommend the use of ASLAN MagicPro Cleaner.

The matt finish harmoniously integrates into the surroundings. MagicProtec Matt ASLAN SL 99 is dedicated to protect surfaces in all public places and transport as well as all areas which are open to the public such as schools, waiting rooms, restrooms, shopping mall indoor and outdoor walls, trains and train stations, airports, carparks, elevators, just all areas which are often unsupervised and tend to suffer vandalism.

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

## Construction

| | | |
|---|---|---|
| **Face film:** | PVC, polymeric, transparent, special coating | |
| **Thickness:** | ~ 80 µm (~ 3.15 mil) | |
| **Adhesive:** | pressure sensitive polyacrylate | square quantity: ~ 35 g/m² |
| **Release Liner:** | double sided PE coated paper | square weight: ~ 140 g/m² |

## Characteristics

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| **Adhesive strength (ASTM D903):** | immediately<br>after 1 week | ~ 12,5 N/25mm<br>~ 22 N/25mm |
| **Dimensional stability:** | applied onto aluminium<br>after 48 hours stored at 70 °C (158 °F)<br>(25 x 25 cm) | <br><br>max. -0,45% |
| **Chemical resistance:** | In a preece test of 24 hours the applied film is resistant to most petroleum-based oils, greases and aliphatic solvents, mild acids, alkalis and salts. | |
| **Light proofness:** | DIN 53 388 | non-fade grade: 7- 8 (wool-scale) |
| **Combustibility:** | classified to Euroclass flame retardant standard DIN EN 13501-1<br>classified to flame retardant standard DIN EN 45545-2 R1/R7/R17 on railway vehicles | |
| **Temperature:** | application temperature:<br>service temperature range: | min 5 °C (41 °F)<br>-30 °C (-22 °F) up to +80 °C (176 °F) |
| **Durability:** | Up to 5 years outdoors, with vertical exposure, in central European standard climatic conditions. | |

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## Verarbeitung

**Application:**

Application dry or wet. If application wet, a possible whitening of the adhesive occurs but will fade away after a couple of days depending on the weather.

We recommend to perform a test application before applying the film onto surfaces with a non-stick coating such as box bodies for trailers, which are made out of plywood material, or plastic waste bins.

For wet applications we recommend the transfer liquid ASLAN TL10. For the application of letterings etc. we recommend our ASLAN application tapes respectively the ASLAN TMO.

On most smooth surfaces, the film can be removed without leaving any residue. On rough surfaces (house facades etc.) adhesive residues will remain on the surface. For this reason, it should be used in these cases to protect digital prints rather than directly protecting the substrate. In all cases, it is recommended to test adhesive and removal before applicate on large areas.

**Cleaning:**

Spray paints nearly do not stick to the repellent surface when applied to smooth surfaces and can easily be removed with a damp microfiber cloth and water. On rough surfaces, an anti-graffiti cleaning liquid is recommended. Hard brushes should not be used as those could damage the top coat.

**Storage:**

Before application the film 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.
Stand

**Stand 11|2024**

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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