

# PremiumBlackboard ASLAN BB 910

## High-quality black blackboard film for chalk and liquid chalk pens

PremiumBlackboard ASLAN BB 910, an especially high-quality self-adhesive blackboard film, transforms any smooth, rigid surface into a blackboard for traditional or liquid chalk. Its extremely scratch-resistant, matt surface ensures residue-free chalk removal without leaving any shadows or ghosting.

This makes it perfect for frequently changed messages in restaurants, at the POS, in training and seminar rooms, offices and homes. The self-adhesive film can be cut to any shape and size, as well as customised using UV-curing or screen printing inks.

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

## Construction

|                |                                       |  |
|----------------|---------------------------------------|--|
| Face film:     | PVC, polymeric with a special coating |  |
| Thickness:     | ~ 130 µm (~ 5 mil)                    |  |
| Adhesive:      | pressure sensitive polyacrylate       | square quantity: ~ 20 g/m <sup>2</sup> |
| Release liner: | silicone cardboard                    | square weight: ~ 140 g/m <sup>2</sup>  |

## Characteristics

|                                |   |  |
|--------------------------------|---|--|
| Adhesive strength (ASTM D903): | immediately:<br>after 1 week:   | ~ 5 N/25mm<br>~ 12 N/25mm                                  |
| Dimensional stability:         | applied onto aluminium<br>after 48 hours stored at 70 °C (158 °F)<br>(25 x 25 cm)   | 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. |  |
| Combustibility:                | Classified to flame retardant standard DIN 4102 / B1  |  |
| Toy safety:                    | Classified to the standard for toy safety DIN EN 71- 3  |  |
| Temperature:                   | application temperature:<br>service temperature range:  | min 15 °C (59 °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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## Processing

|                         |   |
|-------------------------|---|
| <b>Digital cutting:</b> | The self-adhesive film is ideally suited for cutting. The vertical height of capital letters should not be smaller than 20 mm and a width of min. 3 mm. When cutting the self-adhesive film, the pen pressure should be set a high and a cutter blade for thicker materials should be chosen.   |
| <b>Printability:</b>    | The material is printable with UV curable and screen printing inks.   |
| <b>Application:</b>     | The film can be applied dry or wet. A possible whitening of the adhesive if applied wet will disappear after a few days' time, depending on the weather conditions. For wet applications we recommend our transfer liquid ASLAN TL 10. The surface must be free of dust, grease and oil.  |
| <b>Cleaning:</b>        | <p>Writings with chalk and liquid chalk can be wiped off with a wet cloth without leaving any ghostings.</p> <p>If by mistake pens with solvent paints have been used the writing can be wiped off with alcohol.</p>  |
| <b>Storage:</b>         | 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 at a relative air humidity of 50-60%. To avoid pressure points appearing on the roll surface, we recommend the rolls be stored either standing vertically or in a purposely 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.