

# Clearboard ASLAN CB 90



Transparent, glossy protective film for creating whiteboards

This self-adhesive, glossy, transparent whiteboard film is perfect for writing that is often changed. From offices to children's rooms, it transforms any smooth and/or printed surface into a communication board for use with whiteboard markers. Just apply the self-adhesive film onto a smooth surface, another, coloured film or a printed image to create your customised whiteboard. The film surface is especially scratch-resistant, guaranteeing easy, residue-free removal of writing using a soft cloth, without leaving any shadows or ghosting.

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

## Construction

Face film:	polyester with special varnish	
Thickness:	$\sim 50 \mu\text{m}$ ( $\sim 1.9 \text{ mil}$ )	
Adhesive:	pressure sensitive polyacrylate	square quantity: $\sim 40 \text{ g/m}^2$
Release liner:	siliconised polyester film	square weight: $\sim 35 \text{ g/m}^2$

## Characteristics

Adhesive strength (ASTM D903):	immediately: after 1 week:	$\sim 7,5 \text{ N/25mm}$ $\sim 12 \text{ N/25mm}$
Dimensional stability:	applied onto aluminium after 48 hours stored at $70^\circ\text{C}$ ( $158^\circ\text{F}$ ) ( $25 \times 25 \text{ cm}$ )	max. -0.05 %
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 and mild alkalis.	
Combustibility:	Classified to flame retardant standard DIN 4102 / B1 Classified to Euroclass flame retardant standard DIN EN 13501-1	
Toy safety:	Classified to the standard for toy safety DIN EN 71- 3	
Temperature:	application temperature: service temperature range:	min. $15^\circ\text{C}$ ( $59^\circ\text{F}$ ) -30 $^\circ\text{C}$ (-22 $^\circ\text{F}$ ) up to +80 $^\circ\text{C}$ (176 $^\circ\text{F}$ )
Durability:	Up to 5 years outdoors, with vertical exposure, in central European standard climatic conditions.	

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## Processing

### Application:

Dry application only.

#### Important:

We do not recommend a large-scaled application of whiteboard films with mounting tapes. The writable surface of the film can be damaged by taking off the tape so removability cannot be guaranteed anymore. If it is nevertheless necessary using a mounting tape we recommend a tape with low adhesion. The tape should be taken off from the middle of the material to the edge.

### Usage:

For writings on the film any customary whiteboard marker can be used. For an easy cleaning a microfibre cloth should be used.

If you used by mistake inappropriate pens i.e. a permanent marker you can clean the films with alcohol-based cleaning products.

### 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.

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

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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.