

# WindowClear ASLAN DFP 18

## Transparent PVC digital printing film

Creating sharp-contoured, cut-out designs on glass, without having to plot: The transparent digital printing film WindowClear ASLAN DFP 18 makes it possible. While prints on the self-adhesive film are of brilliant quality, the non-printed areas ensure a good optical clarity thanks to their transparency.

For any further information please contact our technical advisory service:  
**+49 (0) 2204.708-80**

## Construction

face-film:	PVC (polymeric softeners)	
thickness:	~ 80 µm	
adhesive:	acrylic pressure adhesive	square quantity: ~ 17 g/m <sup>2</sup>
release liner:	PET liner	thickness of release liner: 75 µm

## Characteristics

adhesive strength: (ASTMD-903)	immediately after 1 week	~ 3.5 N/25 mm ~ 14.5 N/25 mm
dimensional stability:	applied onto aluminum after 48 hours stored at 70 °C (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.	
light proofness:	DIN 53 388	non-fade grade: 7-8 (wool-scale)
combustibility:	stuck on non-combustible substrate, the film is self-extinguishing.	
temperature:	application temperature: service temperature range:	min. 15°C -30 °C up to +80 °C
durability:	up to 7 years outdoors, with vertical exposure, in middle-European climate. To extent the durability of the inks, the film can be laminated with itself	

### **ASLAN, Schwarz GmbH & Co. KG**

Oberael 2 · 51491 Overath · Germany

**phone** +49(0)2204.708 80 · **fax** +49(0)2204.708 50

**e-mail** info@ASLAN-Schwarz.com



**www.ASLAN-Schwarz.com**

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EXPERTISE IN SELF-ADHESIVE FILMS

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## Processing

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application:

Application dry or wet. If applied wet, water needs to be squeezed out properly.  
**A whitening of the adhesive will fade away after a few days depending on the climate conditions.**  
**It is recommended to moisten the felt of the squeegee to avoid scratches or other traces.**

Always ensure that no water accumulates at the cutting edges of the film (e.g. in metal and plastic profiles) and no condensation water can form on the masked window. In these cases and when the film is applied on freestanding glass surfaces, a reversible whitening of the film can occur.

printability: The material is printable with solvent, eco-solvent, latex, UV-curable inks and screen printing. Please ensure that inks are touch dry after the printing process (especially in cases of solvent inks and reel to reel applications) prior to further handling.  
By Print and Cut-applications, a surrounding edge needs to be left to avoid an unbending of the edge of the film. This is especially important when using solvent based ink systems.

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.

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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.

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