

ASLAN DF 50 Plus

The one way vision film for digital printing, approved for use on vehicles

The 50% perforated surface of this self-adhesive one way vision film makes it ideal for use on windows and glass facades. One side white, glossy and opaque, the other side black, this film can be used for digital printing with all common solvent-, or eco-/mild-solvent inks and is suitable for thermal-transfer and electrostatic printing. The film ASLAN DF 50 Plus is M1 and B1 certified. Combined with the laminating film ASLAN SL 50 it is protected from UV-light, mechanical damage and pollution and perfect for advertisements on vehicles.

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

construction

face-film:	PVC	Front side white, reverse side black
thickness:	~ 145 µm	
adhesive:	acrylic pressure adhesive free of solvent and preservative substrates	thickness: ~ 15 µm
release liner:	silicone paper, rear cover sealed	square weight: ~ 100 g/m ²

characteristics

dimensional stability:	applied onto aluminium after 48 hours stored at 70 °C (25 x 25 cm)	max. 1,5 %
adhesive strength: (ASTMD-903)	immediately: Easy removable from all smooth surfaces.	min. 1,0 N/cm
temperature:	min. application temperature: service temperature range:	15 °C -30 °C up to +80 °C
light proofness:	DIN 53 388	non-fade grade: 7-8
chemical resistance:	Resistant to most petroleum based oils, greases and aliphatic solvents. Resistant to mild acids, alkalies and salts.	
outdoor durability:	Min. 6 months when properly processed and applied (vertical exposure, unprinted film). Should the foil be exposed to extreme conditions, e.g. tropical countries, in countries with long periods of high temperature, regions of excessive ecological damage relating to high UV radiations, extreme humidity their life will be reduced.	

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combustibility:	Stuck on aluminium, the film is self-extinguishing.
Printing surface:	50 %, cut out diameter: ~ 1,5 mm

processing

printing:	ASLAN DF 50 Plus has been tested on most digital printers. For optimized quality and for prevention of colour adulteration use a densitometer and compatible software to calibrate your large format printer.
application:	Only dry application. For the application we suggest ASLAN TMO assembly foil or our ASLAN application tapes. In order to guarantee a perfect transposure of the cut film we recommend you apply the tape or the TMO onto the film, turn the cut graphic over and remove the release liner carefully.
gloss:	There can be matt areas on the surface of glossy films near the core of the roll. These can be caused by the uprolled backing paper and will disappear shortly after applying the vinyl and does not influence the result of printing.
storage properties:	Before application the foils can be stored for minimum 3 years from date of production. The film must be stored at room temperature (15-25 °C) and be protected from direct sunlight, excessive heat, high atmospheric humidity and dampness. To avoid pressure points appearing on the roll surface, we recommend the rolls be stored either on end or on purpose design 'hanging' racks.

state: 03|2008

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 our products suitability for the purpose intended.

The quality of our products is regularly examined, upgraded and developed. ASLAN, Schwarz GmbH & Co. KG reserve the right, without prior notice, to adjust, upgrade and improve the chemical structures or physical characteristics of their products in accordance with their latest knowledge.

ASLAN, Schwarz GmbH & Co. KG

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