

ASLAN DFP 46

The digital printing film for outdoor floor graphic applications on asphalt

This digital printing film is especially designed for the use of floor graphics on rough surfaces in outdoor areas. It is perfect for short and medium term applications on pavements or areas of rough stone or asphalt where the advertisement has to be removed after a short time residue-free. The special adhesive ensures that the film can be removed easily.

ASLAN guarantees a 6 months outdoor durability, depending on the mechanical load.

ASLAN DFP 46 is printable with all common solvent, eco-solvent, latex and UV-curable inks. The usage of the laminate ASLAN MP 300 or ASLAN MP 326 is absolutely essential to protect the print and ensure that the surface becomes slip resistant.

Construction

face-film:	soft-PVC	
thickness:	~ 80 µm	
adhesive:	acrylic pressure adhesive	square quantity: ~ 100 g/m ²
release liner:	PE-coated silicon cardboard (both sides)	square weight: ~ 144 g/m ²
total thickness:	~ 300 µm	

Characteristics

adhesive strength: (ASTMD-903)	immediately (on tile surface)	~ 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.	
combustibility:	stuck on aluminum, the film is self-extinguishing.	
temperature:	application temperature: service temperature range:	min. 12°C -30 °C up to +80 °C
minimum durability:	combined with ASLAN MP 300 or ASLAN MP 326 for 6 months outdoors in middle European climate, depending on mechanical load.	

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Processing

printability:

The material is printable with solvent, eco-solvent, UV-curable and latex inks.
To protect the print from wear and to increase the skid resistance, the print has to be laminated with the ASLAN MP 326.

application:

Flush-mounted adherence to the edges of the printing-film with the laminate ASLAN MP 300 or ASLAN MP 326.
The surface should have a adherence temperature of at least 12 °C, should be dry, firm and free of grease and the temperature shouldn't drop much within the next 72 hours.
The surface onto which the film is to be applied must be free of dust, dirt and grease.
On rough surfaces the film should be heated with a heat gun and then pressed into the rough floor using a cloth.
To prevent the film from coming apart at the edges, rounded corners are recommended.
In uneven areas ("puddles") durability may be limited.

Due to the wide variety of possible surface textures we recommend to test the product on the desired surface before.

The film should not be applied onto smooth and polished surfaces because the strong adhesive will make the removability very difficult.

storage life:

Before application the films can be stored for minimum 3 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.

State: 29.10.2013

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. We 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.
