

WrapTheStreet ASLAN DFP 46

Digital printable floor graphics film for rough surfaces such as asphalt, concrete or stone

This self-adhesive digital printing film for floor graphics applications is perfect for temporary advertising on rough outdoor surfaces. Thanks to its special adhesive technology, it adheres very well to rough outdoor surfaces when applied with heat. After use, it can be removed quickly and easily. The film is to be used in conjunction with the floor graphics protective laminates FloorProtect ASLAN MP 326 or Outdoor FloorProtect ASLAN MP 300. Once printed and laminated, WrapTheStreet ASLAN DFP 46 is fire-rated according to DIN EN-13501-1.

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

Construction

| | | |
|----------------|---------------------------------|---|
| Face film: | PVC | |
| Thickness: | ~ 80 µm | |
| Adhesive: | pressure sensitive polyacrylate | square quantity: ~ 100 g/m ² |
| Release liner: | double sided PE coated paper | Square weight: ~ 140 g/m ² |

Characteristics

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|--------------------------------|--|---------------------------------------|
| Adhesive strength (ASTM D903): | immediately (on concrete): | ~ 5 N/25mm |
| | immediately (on steel): | ~ 13 N/25mm |
| | after 72 hours: | ~ 29 N/25mm |
| Dimensional stability: | applied onto aluminium after 48 hours stored at 70 °C (158 °F) (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 Euroclass flame retardant standard DIN EN 13501-1: Bfl-s1 when printed and laminated with FloorProtect ASLAN MP 326 or Premium FloorProtect ASLAN MP 300 | |
| Temperature: | application temperature: | min 12 °C (59 °F) |
| | service temperature range: | -30 °C (-22 °F) up to +80 °C (176 °F) |
| Durability | Combined with Premium FloorProtect ASLAN MP 300 or Outdoor FloorProtect ASLAN MP 326 up to 6 months outdoors in central-European standard climatic conditions, depending on mechanical load. | |

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Processing

Printability:

The material is printable with solvent, eco-solvent, UV-curable and latex inks as well as with screenprinting inks. To protect the print from mechanical wear and to increase the slip resistance, the print must be protected with an ASLAN floor graphics laminating film (Premium FloorProtect ASLAN MP 300 or Outdoor FloorProtect ASLAN MP 326). Before laminating the inks must have dried out completely. Therefore it should dry for at least 48 hours. The floor graphics laminating film must be applied without overlapping.

Application:

The surface the film is to be applied on must be dry, clean and free of grease. The size of a single motive must be at least 0.5 m². The film is only suitable for applications on rough surfaces and has to be applied with a heat gun and a pressure roller completely into the surface. The surface must have a temperature of at least 12 °C. The temperature must not drop significantly within the next 72 hours and it has to stay dry in order that the final adhesive strength is reached. To prevent that the film peels off at the edges rounded corners are recommended. In depressions the durability may be limited as water accumulates in these areas. Due to the wide variety of possible surfaces own live tests are mandatory. High load might destroy or detach the film. Humidity reduces the adhesive strength significantly. As most surfaces are breathable water regularly gets between film and surface. The film must not be applied onto smooth and polished surfaces because the adhesive strength will increase significantly and removability cannot be guaranteed.

Removability:

WrapTheStreet ASLAN DFP 46 can be removed without problems and in one piece for up to six months. The film has to be removed slowly and carefully.

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 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.