

DIALUX® SI 418 Power-sol frontprint backlit film, matt

Description	<i>Material</i>	- matt translucent polyester film, printable on one side
	<i>Coating</i>	- matt coating
	<i>Properties</i>	- very good rolling properties and flatness - brilliant colour reproduction - reduced reflections on the printed surface
	<i>Application</i>	- for indoor and outdoor use
	<i>Durability</i>	- medium-term depending on the ink type
	<i>Inks</i>	- eco-solvent - mild-solvent - solvent - UV curable - latex
Examples of Use	<i>Indoor and Outdoor</i>	- luminous advertising, illuminated displays, exhibition works In case of a multi-panel presentation it is necessary to check before printing that in regard to the thickness of the film the printer can print with sufficient dimensional accuracy.
Temperature setting	Before printing you must check that the correct drying temperature has been set by carrying out a trial print. Too high drying temperatures can lead to a deformation of the film which can later cause further problems while processing.	
Drying time / Processing	The VOC which are contained in solvent and latex inks must be fully dried before further processing. For this reason it is necessary to take long enough drying times into account. The drying time of the printed media depends very much on the quantity of solvent applied. When printing the film in a roll-to-roll process, the printed strip must be unrolled and laid flat as soon as possible until final drying. Solvent residues due to insufficient drying times can lead to blocking during transport in rolled-up form. During lamination such residues can negatively impact the quality of the finished product (flatness, shrinkage behaviour, anchorage, etc...).	
Laminating	The printed surface must be protected if it is subject over a long time to humidity, abrasion, sweat or other mechanical influences. In this case the print must be protected with self-adhesive laminating films or appropriate liquid lamination products.	
Technical data	<i>Base material</i>	Polyester film 175 µm
	<i>Opacity</i>	~ 0,28 – 0,30
	<i>Thickness</i>	~ 195 µm
	<i>Gammage</i>	~ 270g/m ²
	<i>Dimensions</i>	Rolls 914 mm x 30 m 1067 mm x 30 m 1270 mm x 30 m 1370 mm x 30 m 1520 mm x 30 m
	<i>Core diameter</i>	76 mm

Surrounding / Storage

High air humidity during the printing process may lead to banding in the printing direction and to striations in the printed image caused by the transport or by the press rolls. After printing the remaining roll must be removed from the plotter and stored in its closed original packing in a cool and dry environment.

Disposal

The left-over pieces of film can be treated as industrial waste and incinerated. Nevertheless, it is absolutely necessary to follow the local regulations in force in the waste treatment plants.

Hints

This information corresponds to our present state of knowledge and is destined to inform you without obligation about our products and their use. Our hints and recommendations do not release you from the necessity to ensure by your own tests our product's suitability for its intended use as we do not have any influence on the conditions at your place and on possible influences which may occur during use or application. Due to the large number of combinations of software options, printing profiles, printers, inks, print qualities and resolutions we cannot state exact drying times and the maximum ink quantity required. We reserve the right for any changes useful for product improvement.