

## SIGNOLIT® SI 407 power-sol special film for display systems

<b>Description</b>	<i>Material</i>	- white rigid vinyl film with matt coating
	<i>Coating</i>	- matt coating
	<i>Properties</i>	- brilliant colour reproduction
	<i>Durability</i>	- medium term for indoor - short term for outdoor
	<i>Inks</i>	- eco-solvent inks - mild-solvent inks - solvent inks
<b>Examples of Use</b>	<i>Indoor and Outdoor</i>	- stand displays, shop and 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.
<b>Temperature setting</b>		Before printing it is necessary to check that the correct drying temperature has been set by carrying out a trial print. The temperature should not exceed 30°C - 35°C. Too high drying temperatures can lead to a deformation of the film which can later cause further problems while processing.
<b>Drying time / Processing</b>		The VOC which are contained in solvent 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...).
<b>Laminating</b>		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.
<b>Technical data</b>	<i>Base material</i>	white rigid vinyl film
	<i>Thickness</i>	~ 205 µm
	<i>Grammage</i>	~ 280 g/m <sup>2</sup>
	<i>Opacity</i>	1,5
	<i>Dimensions</i>	rolls                    914 mm x 20 m. 1067 mm x 20 m. 1270 mm x 20 m.
<i>Core diameter</i>	76 mm	

**Surrounding / Storage**

High air humidity during the printing process may lead to banding in the direction of printing and to striations in the print image caused by the transport or 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.