

SIGNOLIT® SIPO power-sol polyolefin film self-adhesive

Description	<i>Material</i>	- one-side coated white glossy polyolefin film, self-adhesive with silicon paper backing
	<i>Coating</i>	- glossy coating
	<i>Properties</i>	- environment-friendly since PVC-free - for universal use - high brilliance of colours
	<i>Application</i>	- indoor and outdoor
	<i>Durability</i>	- for outdoor use without lamination up to 12 months according to DIN ISO 4892-3, depending on the inks used. The durability of the glued product is strongly affected by the environmental conditions, place of work and underground!
	<i>Inks</i>	- eco-solvent - mild-solvent - solvent - UV curable inks
Examples of Use	<i>Indoor</i> <i>Outdoor</i>	- labels, posters, displays, exhibition panels, - construction boards, etc...
Temperature setting:	Before printing it is absolutely necessary to 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 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..	
Gluing	SIPO will stick to any solid, smooth surfaces which are dry and free of dirt, grease, silicon etc. Before gluing it is absolutely necessary to check that the surface is appropriate to this aim and that it has been prepared (cleaned) professionally. During gluing the temperature must reach at least 15°C. You can remove SIPO by heating the film's surface with a hot air gun. Then pull it off carefully.	

Technical Data

<i>Base material</i>	95 µm white polyolefin film
<i>Adhesive</i>	Acrylate dispersion permanent
<i>Tackiness</i>	~ 17,5 N / 25mm (A.F.E.R.A)
<i>Tackiness after 24 h</i>	~ 25 N / 25mm (A.F.E.R.A)
<i>Temp. scale</i>	-20°C up to +100°C
<i>Backing paper</i>	silicon paper ~ 150µm / 135g/m ²
<i>Total thickness</i>	~ 285 µm
<i>Total weight</i>	~ 285 g/m ²
<i>Dimensions</i>	Rolls 1370mm x 30m
<i>Core diameter</i>	76 mm

Storage

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.