

# Dialux® SIGS Power-sol PET-Film clear glossy self-adhesive

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Description	<i>Material</i>	<ul style="list-style-type: none"><li>- coated polyester film, optically clear</li><li>- self-adhesive, with polyester release liner</li></ul>
	<i>Coating</i>	<ul style="list-style-type: none"><li>- glossy coating</li></ul>
	<i>Properties</i>	<ul style="list-style-type: none"><li>- good scratch proofness</li><li>- crystal-clear, water resistant adhesive (Clear-on-clear)</li><li>- dry or wet mounting</li><li>- removable without residue</li></ul>
	<i>Application</i>	<ul style="list-style-type: none"><li>- Indoor use: (mounted on glass in the interior) up to 4 years, according to DIN ISO 4892-3</li><li>- Outdoor use: (mounted on glass in the exterior) approx. 6 months depending on used ink</li></ul>
	<i>Durability</i>	
	<i>Printability</i>	<ul style="list-style-type: none"><li>- solvent inks, UV curable and HP latex inks</li></ul>
Examples of Use	<i>Indoor and Outdoor</i>	<ul style="list-style-type: none"><li>- Glass decoration, shop window advertising</li><li>- Backlit applied directly on light diffusion board</li><li>- Poster, placards, exhibition works, displays, banner, sales and promotion campaigns, signboards,</li><li>- Labels, decorations for film keypads in engine and tool building, etc.</li></ul>
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 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 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.	
Shipment	In order to avoid denting the film laminate during transport we basically recommend to wind up the finished printings on paperboard cores with minimum diameters of 76mm	
Removal from Background	The removal of the mounted film from the background is facilitated by heating it up with a hair dryer or hot-air gun. For this the film must be detached slowly and steady in an acute angle.	

**Technical Data**

<i>Base Material</i>	Polyester film, optically clear, 75µm	
<i>Thickness Compound / Weight</i>	155µm / 190g/m²	
<i>Adhesion</i>	~ 1,5 N / 25mm (glued on glass)	
<i>Adhesion after 24 h</i>	~ 3,5 N / 25mm (glued on glass)	
<i>Adhesive</i>	solvent based acrylic adhesive	
<i>temperature range</i>	glued -20°C up to +70°C	
<i>Dimensions</i>	Rolls	610 mm x 20 m. 1067 mm x 20 m. 1370 mm x 20 m.
<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.