



## Windowcal

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### The double-sided white block-out film for digital printing

With its white front and rear side, the Windowcal is especially designed to cover glass surfaces. Its high opacity ensures that the print will not be visible from the other side (please note that this product is not 100 % opaque and will let some light come through).

Windowcal is digitally printable with all common solvent, eco-/mild-solvent, latex and UV-inks. A PE coated silicon liner ensures ideal print results and makes the product stable against moisture.

To protect your printing results from UV-radiation, other external influences and mechanical damages and to extend the durability, we recommend the RIJETCLEAR-protective film.

Windowcal can also be used for computerised cutting of designs, lettering etc.

For any further information please contact our technical advisory service:

### Construction

<b>face-film:</b>	soft-PVC, doubled
<b>thickness:</b>	~ 180 µm
<b>adhesive:</b>	acrylic pressure adhesive square quantity: ~ 25 g/m <sup>2</sup>
<b>release liner:</b>	PE-coated silicon cardboard square weight: ~ 144 g/m <sup>2</sup> (both sides)

### Characteristics

<b>adhesive strength:</b>	immediately ~ 3.8 N/25 mm (ASTMD-903) after 1 week ~ 7.5 N/25 mm dimensional stability: applied onto aluminium after 48 hours stored at 70 °C (25 x 25 cm) max. -0.45 %
<b>chemical resistance:</b>	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.
<b>light proofness:</b>	DIN 53 388 non-fade grade: 7-8 (wool-scale)
<b>combustibility:</b>	stuck on aluminium, the film is self-extinguishing.
<b>temperature:</b>	application temperature: min. 15°C
<b>service temperature range:</b>	-30 °C up to +80 °C
<b>minimum durability:</b>	3 years outdoors, with vertical exposure, in middle-European climate.



**Processing  
printability:**

The material is printable with solvent, eco-solvent, UV-curable and latex inks. (In case of inadequate drying of the printing inks the film will be sodded and the adhesive negatively affected.)

**application:**

Application dry or wet. If applied wet, a possible whitening of the adhesive occurs but will fade away after a couple of days depending on the weather.

For a wet application we recommend the transfer liquid ASLAN TL10.

**gloss:**

There can be matt areas on the surface of the high glossy film near the core of the roll. These may be caused by the silicon cardboard flipside, but will disappear after a short period of time and don't influence the print results.

**storage life:**

Before application the films can be stored for minimum 3 years from date of production.

The film must be stored at room temperature (15-25 °C) and a relative humidity of the air of 50-60%. To avoid pressure points appearing on the roll surface, we recommend the rolls be stored either vertical standing or for this purpose designed 'hanging' racks.

State: 10|2014

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 our products suitability for the purpose intended. The quality of our products is regularly examined, upgraded and developed. We reserve the right, without prior notice, to adjust, upgrade and improve the chemical structures or physical characteristics of their products in accordance with their latest knowledge