

## Description

Perforated special white glossy PVC film with a black backing, for use on smooth transparent substrates and glass. After printing on the film surface, the picture becomes visible as the perforated black backing allows the viewer to see through from the other side. The ration of the printable area to the total surface is 50%. The small hole diameter of 1,5 mm enables relatively special fine print.

## Release Paper

Silicone coated paper, non perforated, 135 g/m<sup>2</sup>. For better protection the liner of the perforated self-adhesive material overlaps on both sides.

## Adhesive

Solvent polyacrylate, permanent, transparent

## Area of use

For short- and medium-term advertising graphics on vehicles, shop windows or other types of smooth surfaced transparent advertising media. The media should be made from a clear material to allow light to easily pass through from back. As in all outdoor applications, humidity may gather in the perforation and so the transparency could be reduced. Therefore, the perforated vinyl should be protected after printing with the specially developed laminating film ORAGUARD® 297 (Premium-Cast-Film). To be used only in dry application.

## Printing Method

Inkjet printing with solvent-based inks

## Certificates

German General Type Approval (ABG) acc. to § 22a StVZO, Federal German Road Traffic Licensing Order: D5477 (not laminated) and D5350 (laminated with ORAGUARD® 297)

## Technical Data

<b>Thickness</b> <sup>(1)</sup> (without paper and adhesive)	140 micron
<b>Dimensional stability</b> <sup>(1)</sup> (FINAT TM 14)	Adhered to glass shrinkage, no shrinkage in cross direction, in length 0,4 mm max.
<b>Temperature resistance</b> <sup>(2)</sup>	Adhered to glass, -40° C to +80° C, no variation
<b>Seawater resistance</b> (DIN 50021)	Adhered to glass, after 100h/23° C, no variation
<b>Adhesive power</b> <sup>(1)</sup> (FINAT TM 1, after 24h, glass)	12 N/25 mm
<b>Tensile strength</b> <sup>(1)</sup> (DIN EN ISO 527)	Along: > 5 MPa Across: > 5 MPa
<b>Elongation at break</b> <sup>(1)</sup> (DIN EN ISO 527)	Along: > 50% Across: > 50%
<b>Shelf life</b> <sup>(3)</sup>	2 years
<b>Application temperature</b>	>+10° C
<b>Maximum service life by specialist application</b> Applies for vertical outdoor exposure <sup>(4)</sup>	4 years (not printed)

<sup>(1)</sup> average    <sup>(2)</sup> short-time exposure    <sup>(3)</sup> in original packaging, at 20° C and 50% relative humidity    <sup>(4)</sup> normal climate of Central Europe

**Note**

After printing, the ink must be allowed to thoroughly dry, in order to avoid any issues when later combined with the laminate. Surfaces to which the material will be applied must be thoroughly cleaned and free from dust, grease or any contamination which could affect the adhesion of the material. The compatibility of the selected lacquers and paints should be tested by the user, prior to the application of the material. Furthermore the application information published by ORAFOL must be considered.

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