

OneWayPro[®] Gold 60/40 OPP-Paper Liner

TECHNICAL DATA SHEET

Polymeric PVC one-way vision film with removable solvent-based adhesive, designed for vehicle and window applications with double OPP/paper liner.

Specifications:

The **OneWayPro[®] Gold 60/40 OPP/Paper Liner** is a microperforated black and white colaminated film composed of two welded films, white on one side and black on the other, coated with a removable transparent solvent-based adhesive. The film thickness is 150 microns. The perforation ratio (vinyl/open area) is 60/40, providing good visibility from the inside and making it particularly suitable for vehicle applications. The hole diameter is 1.6 mm. This product can be used on building windows as well as on vehicle windows.

Liner:

The double OPP/paper liner is composed of a first 33-micron non-perforated oriented PP liner and a second 115 g/m² perforated silicone paper liner. The liner is compatible with solvent, eco-solvent, mild-solvent, latex and UV inks.

Uses:

The presence of solvent components in the inks may soften the microperforated film and make it stretchable. Therefore, a drying time of approximately 24 hours is recommended prior to lamination or application. Insufficient drying may affect application and reduce adhesion to the substrate.

Lamination:

Once printed, the microperforated film must be laminated. Lamination protects the film from light and ageing, as well as from water, dust and pollution that could enter the holes and alter the transparency of the product.

OneWayPro[®] offers several solutions:

- **OneWayPro[®] PET 036 High-Tack Ultraclear lamination** is recommended for flat surfaces
- **OneWayPro[®] POLY 060 Ultraclear lamination** is recommended for medium-duration curved surfaces

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- **OneWayPro® CAST 050 Ultraclear lamination** is recommended for long-life curved surfaces
- **OneWayPro® SEALING TAPE** is recommended for increased edge protection of the microperforated film

Before lamination, check the adhesion of the lamination to the inks.

Remarks:

Do not bring the product into contact with solvents or ammonia. Clean the window thoroughly before application. Do not apply on polycarbonate or certain PVC substrates.

Approvals and standards:

The film has *Allgemeine Bauartgenehmigung (ABG)* approval for German road traffic and *Dynamic Test Center (DTC)* approval for Swiss road traffic. The certification numbers are ABG D-5668 without lamination and ABG D-5670 with OneWayPro® CAST 050 Ultraclear lamination.

The material is certified M0 outdoor / B1.

OneWayPro® Gold combined with OneWayPro® CAST 050 Ultraclear lamination has obtained classification HL3 according to NF EN 45545-2+A1 : 2016.

Durability:

The maximum recommended duration of use is 3 years. The durability of OneWayPro® Gold microperforated film, when laminated with OneWayPro® CAST 050 lamination, can be up to 7 years.

To achieve this, it is important to follow the product use and installation process shown in the video available on our website.

Removability of the adhesive on glass is up to 1 year at a temperature of 23–25°C. Adhesion increases over time.

Storage:

2 years at 15–25°C and 45–55% relative humidity in the original packaging.

Transport:

The film can be wound during transport with the image facing outward, with a minimum diameter of 15 cm.

Adherence:

Peeling force 180° (FTM 1): ≥ 5 N/25 mm

Initial adhesion (FTM 9): ≥ 5 N/25 mm

Holding power after 24 h (FTM 8)

Application temperature: 15°C to 40°C

Service temperature: -20°C to 60°C

Instructions for use:

You will find a file on our website under the tab "Tips for use" with important information for the use of our products.

Product references:

Gold OPP	6040	Double OPP/Paper Liner	1.05 x 25 m	GOLD-OPP-64-105025
			1.05 x 50 m	GOLD-OPP-64-105050
			1.37 x 25 m	GOLD-OPP-64-137025
			1.37 x 50 m	GOLD-OPP-64-137050
			1.52 x 25 m	GOLD-OPP-64-152025
			1.52 x 50 m	GOLD-OPP-64-152050

Note:

The information on this technical data sheet is based on tests conducted in the laboratory and experience that we have acquired in practice. It does not provide a legal guarantee. A test must be carried out before use.

The durability is estimated in conditions of exposure in Central Europe. The actual lifespan of the product depends on the preparation of the base, the exposure conditions and the maintenance of the marking. Performance outside may be expected to deteriorate if the films are applied on south-facing surfaces or used in regions where the temperature is often high, such as in Southern European countries, or in polluted regions.