

OneWayPro[®] Palladium 60/40

TECHNICAL DATA SHEET

Monomeric PVC one-way vision film with removable solvent-based adhesive, designed for short-term window applications certified for road traffic applications in Europe.

Specifications:

The **OneWayPro[®] Palladium 60/40** is a microperforated film with a white front side and a black printed backing, coated with a removable transparent solvent-based adhesive. The film thickness is 140 microns. The perforation ratio (vinyl/open area) is 60/40, with a hole diameter of 1.5 mm. This product is suitable for applications on building windows.

Liner:

The double paper liner consists of a first 90 g/m² non-perforated paper liner and a second 115 g/m² siliconized perforated paper liner. The liner is compatible with solvent, eco-solvent, mild solvent, latex and UV inks.

Uses:

The presence of solvent components in 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 performance.

Laminating:

Once printed, the microperforated film must be laminated. Lamination protects the film from light, ageing, water, dust and pollution that may enter the holes and affect the product's transparency.

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-term curved surfaces
- **OneWayPro[®] CAST 050 Ultraclear lamination** is recommended for long-term curved surfaces

- **OneWayPro[®] SEALING TAPE** is recommended for enhanced edge protection of the microperforated film

Before lamination, check the compatibility and adhesion of the laminate with the inks.

Remarks:

Avoid contact with solvents or ammonia. Clean the glass thoroughly before application. Do not apply on polycarbonate or certain PVC substrates.

Approvals and standards:

The film has the following certifications for road traffic applications:

- Germany: Allgemeine Bauartgenehmigung (ABG) – D 5760 (with POLY-060-UC lamination)
- Austria (same as Germany : ABG) (with POLY-060-UC lamination)
- Spain (LCOE)

Material classification: M0 / B1.

Durability:

The maximum recommended service life is 12 months. Clean removability from glass surfaces is up to 6 months at temperatures between 23–25°C. Adhesion increases over time.

Storage:

6 months when stored at 15–25°C and 45–55% relative humidity in the original packaging.

Transport:

The film can be wound for transport with the printed side facing outward, with a minimum diameter of 15 cm.

Adhesion:

- Peeling force 180° (FTM 1): 6 N/25 mm ± 2.5 N/25 mm
- Initial adhesion (FTM 9): 3 N/25 mm ± 2.5 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:

A document is available on our website under the “Tips for use” section, providing important information on the proper use of our products.

Product references:

Palladium	6040	Double Paper Liner	1.05 x 25	PALL-PAP-64-105025
			1.05 x 50	PALL-PAP-64-105050
			1.37 x 25	PALL-PAP-64-137025
			1.37 x 50	PALL-PAP-64-137050
			1.52 x 25	PALL-PAP-64-152025
			1.52 x 50	PALL-PAP-64-152050

Note:

The information contained in this brochure is based on laboratory tests and experience we have gained in practice. They could not provide a legal guarantee. A preliminary test on the material is to be made. Sustainability is estimated from the exposure conditions in Central Europe. The actual life of the product depends on substrate preparation, exposure conditions and maintenance of the marking. We can expect performance degradation outside when the films are exposed to the south, if they are applied in areas where the temperature is often high as countries of southern Europe, or in polluted areas.