

OWV OneWayPro® Gold

TECHNICAL DATA SHEET

Description:

Polymeric PVC one-way vision, clear acrylic removable glue for long term application on windows, particularly suitable for lightly curved surfaces such as vehicle windows.

Properties:

OneWayPro® Gold is a black and white colaminated film. It consists of two welded films, white on one side and black on the other, to which a removable, transparent polyacrylate adhesive is applied. The film is 150 microns thick. The vinyl/surface perforation ratio is 60/40, enabling an impeccable contrast and rendering of the printing on the front while leaving good visibility on the back. The holes measure 1.6 mm in diameter. This product can be used for any application on building windows as well as on vehicle windows.

Liner:

Double OPP/Paper Liner: The liner is double and composed of a first 33-micron non-perforated oriented PP liner and a second 115 gr/m² perforated silicone paper liner especially designed for HP Latex printers. The product can also be used on printers using solvent, eco-solvent, mild-solvent and UV inks.

Double liner Paper: The liner is double and composed of a first 90 gr/m² non-perforated paper liner and a second 115 gr/m² siliconized perforated paper liner. The double paper liner is compatible with solvent, eco-solvent, mild-solvent, latex and UV inks. It is not advisable to print it on HP Latex

Uses:

The presence of solvent components in the inks can soften the microperforated film and make it extendible, which is why we recommend allowing a drying time of about 24 hours before laminating or fitting. Without proper drying, the solvent vapours may cause fitting problems and affect the adhesion of the film to the base.

Lamination:

Once printed, the microperforated film must be laminated. Lamination protects the film from the light and ageing, as well as from water, dust and pollution which could infiltrate the holes and alter

OneWayPro®

HIGH QUALITY ONE WAY VISION

the transparency of the product. Two laminates are recommended: for flat surfaces, **OneWayPro® PET 036 Ultra Clear** laminate and for curved surfaces, **OneWayPro® CAST 050 Ultra Clear** laminate. Before lamination, check that the laminate adheres well to the inks.

Remarks:

Do not bring into contact with products containing solvents or ammonia. Clean the window thoroughly before application. Do not apply on polycarbonates and some PVCs.

Approvals and standards:

The film has *Allgemeine Bauartgenehmigung* (AGB) approval for German road traffic and *Dynamic Test Center* (DTC) for Switzerland road traffic. The certification numbers are ABG D-5668 without lamination, ABG D-5653 with OWP PET 036 Ultra Clear lamination and ABG D-5670 with OWP CAST 050 Ultra Clear lamination.

The material is certified M1 / B1.

Durability:

The maximum recommended length of use is three years.

Cleanly removable glue on clean glass surface durability is one year at temperature of 23-25°C. The adhesive strength increases over time.

Storage:

Two years – between 15 and 25°C at humidity of 45 to 55% in the original container.

Transport:

The **OneWayPro®** films can be rolled up for transport, with the picture facing outwards, subject to a minimum diameter of 15 cm.

Adherence:

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

Initial Adhesion (FTM9): ≥ 5 N/25 mm

Holding power after 24h (FTM8)

Adherence temperature: 15° to 40° C

Operating temperature: -20°C to 60° C

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Product references:

Gold	6040	Double Paper Liner	1,05 x 25	GOLD-PAP-64-105025
			1,05 x 50	GOLD-PAP-64-105050
			1,37 x 25	GOLD-PAP-64-137025
			1,37 x 50	GOLD-PAP-64-137050
			1,52 x 25	GOLD-PAP-64-152025
			1,52 x 50	GOLD-PAP-64-152050
		Double OPP/Paper Liner	1,05 x 25	GOLD-OPP-64-105025
			1,05 x 50	GOLD-OPP-64-105050
			1,37 x 25	GOLD-OPP-64-137025
			1,37 x 50	GOLD-OPP-64-137050
			1,52 x 25	GOLD-OPP-64-152025
			1,52 x 50	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.