

OWV OneWayPro® Crystal

TECHNICAL DATA SHEET

Description:

Transparent one-way vision with a transparent acrylic removable glue for long term application on windows for printing with eco solvent, mild solvent, solvent, latex and UV inks.

The product is available with monomeric or polymeric PVC film.

Specifications:

The **OneWayPro® Crystal Universal** is a transparent film on the back thereof a transparent polyacrylate removable glue. The film thickness is 180 microns. The ratio of vinyl/perforation perforated surface is 70/30. The hole diameter is 1.5 mm. This product is ideal for visual printing in mirror + white + black UV inks to form a microperforated to be fixed inside a building. This product is mainly intended for flat surfaces.

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.

Uses:

The presence of solvent components in inks can soften the microperforated film and make it extensible, which is why we recommend a drying time of approximately 24 hours prior to lamination or application. Without proper drying, solvent vapors may cause difficulty for the application and altering its grip on the media.

Laminating:

Once printed, the one-way vision must be laminated. The lamination protects the film from light and aging as well as water, dust and pollution that could get into the holes and alter the transparency of the product. Two laminates are recommended: for flat surfaces, laminated **PET OneWayPro® 036 Ultra Clear** and for curved surfaces the laminate **OneWayPro® CAST 050 Ultra Clear**. Before lamination, verify proper adherence of the laminate on the inks.

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Remarks:

Do not get in contact with products containing solvents or ammonia. Clean the glass before applying.
Do not apply polycarbonates and some PVC.

Approvals and Standards:

Material is certified M1 / B1.

Durability:

The maximum recommended duration of use is one year for monomeric film and three years for polymeric.

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

Storage:

One year - 15 to 25 ° C and a humidity of 45 to 55% in the original box.

Transport:

The **OneWayPro®** film can be wound during transport, image to the outside, with a minimum diameter of 15 cm.

Adherence:

Peeling force 180° (FTM 1): $\geq 5\text{N}/25\text{ mm} \pm 1.5\text{N}/25\text{mm}$

Initial Adhesion (FTM9): $2\text{ N}/25\text{ mm} \pm 0.5\text{N}/25\text{mm}$

Holding power after 24h (FTM8)

Adherence temperature: 15° to 40° C

Operating temperature: -20°C to 60° C

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Product references:

Crystal Monomeric	7030	Double OPP/ Paper Liner	1,37 x 25	CRY/M-PAP-73-137025
			1,37 x 50	CRY/M-PAP-73-137050
Double OPP/ Paper Liner		1,37 x 25	CRY/P-PAP-73-137025	
		1,37 x 50	CRY/P-PAP-73-137050	
Crystal Polymeric				

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.

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