OneWayPro® Rhodium 70/30

TECHNICAL DATA SHEET

Monomeric PVC one-way vision film with removable solvent-based adhesive, designed for mid-term window applications.

Specifications:

The **OneWayPro® Rhodium 70/30** 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 160 microns. The perforation ratio (vinyl/open area) is 70/30, with a hole diameter of 1.5 mm. This product is suitable for applications on building windows.

Liner:

The double PE-coated paper liner is composed of a first 90 g/m² non-perforated PE-coated 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 and ageing, as well as from 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:

Material is certified M1.

Durability:

The maximum recommended duration of use is 12 months. Clean removability on clean glass surfaces is up to 12 months at a temperature of 23–25°C. Adhesion increases over time.

Storage:

1 year 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.

Adhesion:

Peeling force 180° (FTM 1): 6 N/25 mm ± 1.5 N/25 mm

Initial adhesion (FTM 9): 3 N/25 mm ± 1 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:

Rhodium	**7030**	**Double PE-coated Paper Liner**	**1.05 x 25**	RHO-PAP-PE-73-105025
			1.05 x 50	RHO-PAP-PE-73-105050
			1.37 x 25	RHO-PAP-PE-73-137025
			1.37 x 50	RHO-PAP-PE-73-137050
			1.52 x 25	RHO-PAP-PE-73-152025
			1.52 x 50	RHO-PAP-PE-73-152050

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.