

## OneWayPro<sup>®</sup> Backlit 70/30

### TECHNICAL DATA SHEET

*Monomeric translucent one-way vision with a clear removable solvent-based adhesive for mid-term window applications, suitable for printing with eco-solvent, mild-solvent, solvent, latex and UV inks.*

#### Specifications:

The **OneWayPro<sup>®</sup> Backlit 70/30** is a one-way vision composed of a translucent film coated on the back with a removable transparent solvent-based adhesive. The film thickness is 140 microns. The perforation ratio of vinyl/perforated surface is 70/30. The hole diameter is 1.4 mm. This product can be used for applications on building windows. It can be used indoors and outdoors. For mirror printing applications, the substrate must be backlit to allow visibility from both sides when illuminated.

#### Liner:

The double paper liner is composed of a first 90 g/m<sup>2</sup> non-perforated paper liner and a second 115 g/m<sup>2</sup> 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, which is why a drying time of approximately 24 hours is recommended prior to lamination or application. Without proper drying, solvent vapours may cause application difficulties and reduce adhesion to the substrate.

#### Laminating:

Once printed, the microperforated film must be laminated. Laminating 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<sup>®</sup> offers several solutions:

**OneWayPro<sup>®</sup> PET 036 High-Tack Ultraclear lamination** is recommended for flat surfaces.

**OneWayPro<sup>®</sup> POLY 060 Ultraclear lamination** is recommended for medium-duration curved surfaces.

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

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

## **Remarks:**

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

## **Durability:**

The maximum recommended duration of use is one year.

Clean removability on clean glass surfaces is one year at a temperature of 23–25°C. The adhesion increases over time.

## **Storage:**

1 year – between 15 and 25°C and a humidity of 45 to 55% in the original packaging.

## **Transport:**

The OneWayPro<sup>®</sup> film can be wound during transport, with the image facing outward, with a minimum diameter of 15 cm.

## **Adhesion:**

Peeling force 180° (FTM 1): 4.5 N/25 mm ± 1.5 N/25 mm

Initial adhesion (FTM 9): 3.5 N/25 mm ± 1.5 N/25 mm

Holding power after 24 h (FTM 8)

Application temperature: 15° to 40°C

Operating 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:**

<b>Backlit</b>	<b>7030</b>	<b>Double Paper Liner</b>	<b>1.37 x 25</b>	BACK-PAP-73-137025
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**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.