



OPTIMALSELECTION

OPTIMAL PWF One Way Vision is white monomeric self adhesive PVC with a black backside coated with solvent based removable adhesive. The composition of the product enables a graphic to be printed on one side (white side) while keeping a view through the other side (black side). Media is suitable for (eco) solvent, UV and latex printers. OPTIMAL PWF One Way Vision is featured by special double liner to suit UV and latex printing and 60/40 perforation pattern (60% printable area, 40% open area). Can be used for flat surfaces - for short term advertising graphics on vehicles, transparent panels, shop and building windows. Expected lifetime is 12-18 months. Overlamine is recommended to protect the image.

Front Layer PVC

Description	Specification
Type	Monomeric film
Thickness	150 ± 10 micron
Front Color	Milk white
Back Color	Full black
Shrinkage	≤ 0.8%
Surface tension	≥ 30 dyne / cm
Holes No.	Average 130 / sq inch (square inch = mm 25,4x25,4)
Hole Diameter	1.6mm
Distance Between Holes	2.4mm
Hole Space (transparency)	40%
Opacity	98%

Adhesive

Type	Clear removable (solvent based pressure sensitive glue)
Thickness	30 ± 3 micron
Application conditions	15°C~33°C (thermal range), ≥8°C min. application temperature
Initial Adhesion-Ball Tack	≥5 Steel Ball (GB4852-84/ CNS)
Peeling force	(24 hours) 5 ≤ x ≤ 10 N/25 mm
Expected lifetime	12-18 months. Twelve months for a clean removal. Adhesion may increase with time.
Removable Durability	Max one year cleanly removable at the temperature of 18-25°C and RH of 50-60% (provided that the glass surface is very clean when sticking).

Liner

White siliconated paper	105 g in full surface (65 g after punching) - paper liner
Transparent OPP	33 g hot laminated - additional liner
Total Weight	175 g ± 5 g/m ²
Release Force	FTM 3 N/25 mm 0,05 ≤ x ≤ 0,25

Additional Liner

Liner: Peel off Advice	It is strictly recommended peeling off the liner with extra caution. After printing, the manual cutting must be done with scissors or professional cutters with very sharp blades (no worn - out tools). In this way, you will avoid tearing the liner among the holes: that indeed could cause the flaking off of the paper liner.
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Sizes available: 1,52 x 50 m, 1,37 x 50 m, 1,37 x 25 m, 1,06 x 50 m

Storage period: 12 months under ordinary condition at the average temperature of 22 °C and relative humidity of 50-55%.

Applications: Outdoor digital printing and screen printing one way vision media for signage display, shop window advertising, vehicle graphic, subway and building glass walls.

Compatibility of machines and inks: Media is suitable for all solvent, eco-solvent and UV digital printers with heating systems including Infiniti, Phaeton, Mimaki, Roland, Vutek and HP Scitex. It is designed for Latex (tested on Mimaki JV400LX and HP L26500; when working with other machines, tests before printing are recommended). Inks should be the original ink from the printer manufacturers. The best printing temperature is 16-38°C. When dealing with additional liner, the user is recommended to delaminate the first 2cm of the printed material in the whole width, then go on with the normal liner delaminating process.