

myMEDIA 1642 One Way Vision Pro 40 FR

Product Description

myMEDIA 1642 One Way Pro 40 FR is a perforated polymeric PVC film, white gloss with black backing with a 60% printable area and a transparent removable adhesive. It is developed for short and mid-term advertising graphics on vehicles, shop windows, airport graphics, subway window, glass walls of building or other even surfaced transparent advertising media from glass that should allow light to easily pass through from back. After printing on the film surface the picture becomes visible on the outside while the perforated black backing allows light to pass through to the inside and allows a good trough vision from the inside to the outside of the window. The special PE-coated Dual Liner allows an excellent flatness, stability and due to the special design a perfect printability with Latex and UV-curable inks as inks will stay in the holes only and the open area remains clear. Of course the product offers an excellent printability with Eco-Solvent and Solvent inks as well. In case of residues after removing the transparent adhesive offers a very good cleaning of the window compared to black adhesives on the market. Overlamination with an optical clear lamination film is recommended to achieve the best clear through vision, best protection against abrasion and better removability.

Physical Characteristics

Front material	Perforated PVC film, polymeric plasticized calendered	
Perforation	1,5 mm hole size, 60% printing area	
Thickness / Weight	162 µm	
Colour / Finish	White gloss print side, black backside	
Adhesive	Solvent based polyacrylate, transparent, removable	
Liner	PE coated perforated Dual-Liner, 175 g/m ²	
Durability	Up to 3 years unprinted (vertical exposure, climate zone 1)	
Application temperature	>= +10°C	
Temperature range	-20°C to +65°C	
Adhesion after 24h	5 N/25 mm	Finat FTM 1 (on stainless steel)
Dimensional stability	<= 0,6 mm shrinkage (machine direction) no shrinkage (cross direction)	Finat FTM 14
Tensile strength	> 5 MPa (machine direction) > 5 MPa (cross direction)	DIN EN ISO 527
Elongation	> 50 % (machine direction) > 50 % (cross direction)	DIN EN ISO 527
Fire behaviour	B1 expected (test in progress)	Test in progress

Removability

Removability	Up to 1 year
Removability conditions	>= 20°C (surrounding AND surface temperature)
Substrate and surface	The properties and conditions of the substrate are essential for the removability! The surface has to be consistent with a high cohesiveness. Certain substances could interact with each other e.g. diffusion of plasticizers, or fumigation of solvents or flowing gas. This could cause the adhesion to increase from removable self-adhesive products and impedes a residue free removal of the film. The following surfaces could be affected from the above mentioned reciprocal effects: <ul style="list-style-type: none"> - ABS - Acrylic Glass - Freshly painted areas and varnish - Nitro Lacquer - Polycarbonate - Polystyrene - Various PVC

Storage	
Shelf life	1,5 years if stored in original packaging
Storage conditions	+20°C to +22°C and 50 - 55% relative humidity
Storage notice	Remove the roll from the printer after each use and store in the sealed original packaging.

Printing Method	
Compatible inks	HP Latex, Eco-Solvent, Solvent, UV-curable
Drying	The drying of the printed medium is strongly dependent on the amount of solvent applied (ink application), therefore sufficiently long drying times must be taken into account. When printing the material in a roll-to-roll process, the printed web must be unrolled and laid out flat again as quickly as possible until final drying in order to achieve the best drying results. We recommend drying the material for at least 24 hours in an unrolled state before further processing. If this is not possible, place the roll upright and very loosely wound on an air-permeable (grid) floor to ensure air circulation. Insufficient drying (solvent residues, rewetting, etc.) can lead to blocking in the rolled state and subsequently to unrolling, shrinkage and insufficient adhesion, which are not covered by the warranty. Therefore, the drying must be checked by practical methods, such as tesa test (optimally with cross cut), grip test, abrasion test and odour test, before further processing, lamination or application.

Processing and converting	
Recommended surfaces	Flat to very slightly curved, not suitable for 3D applications Substrate must be dry and free of dust and grease
Application method	Dry application only
Edge protection	To ensure outdoor durability, the edges must be protected with a laminate strip to prevent liquids from penetrating and protect against mechanical damage.
Lamination	Cold lamination Roller temperature <= 30°C, lamination without tension
Recommended laminates	myMEDIA 5625 Ultraclear PolyGuard

Cleaning	
High pressure cleaning	High pressure cleaning equipment are not recommended for cleaning. The Edges could lift up and/or an existing overlamine could crack in the hole areas.

Instructions for One Way Vision films
Follow the detailed instructions on pre-cleaning, processing, installation, application, use on vehicles, graphic cleaning and care in the technical instructions TB 1.16 Instructions on myMEDIA One Way Vision films.

Advantages and features

- Clear open area when printed with Latex/UV curable inks
- Outstanding print quality
- Very good flatness
- Great dimension stability
- Outdoor use up to 3 years
- Clean removability up to 1 year
- Excellent price-performance ratio
- Fire retardancy (certificate testing in progress)

Applications

- Indoor and outdoor applications
- Glass walls of buildings
- Shop windows
- Airport graphics
- Public transport
- Subway windows
- Even surfaces from glass

Important Notice

Information on physical and chemical characteristics is based upon tests, practical knowledge and experience. The values listed herein are typical values and are not for use in specifications. They are intended only as a source of information and are given without guarantee and do not constitute a warranty. Because of the variety of uses and applications, the purchasers should independently determine, prior to use, the suitability of this material to their specific use and carefully consider the suitability and performance of the product. The purchaser shall assume all risks for any use and application of the material. All specifications and technical data are subject to change without prior notice, errors and omissions expected. All warranty matters are regulated by our general terms and conditions.