

Self-adhesive Vinyls

Toner
Water
(eco) Solvent
UVgel / UV
Latex

IJM646 Polymeric Vinyl Gloss Grey Permanent AE – B1 80 µm

Product Description

High-quality, calendered polymeric, white, self-adhesive vinyl with a glossy finish and a permanent grey opaque adhesive with air channels for easy bubble-free application..

Physical Properties

Thickness	80 µm	ISO 534	Adhesion on steel after 20 min	8 N/25mm	AFERA 5001
Adhesive weight	20 g/m ²	ISO 536	Adhesion on steel after 24 hrs	15N/25mm	AFERA 5001
Total thickness	200 µm	ISO 534	Dimensional stability MC/CD	< -3 % / <1.5 %	FTM14
Weight liner	160 g/m ²	ISO 536	Flame Retardancy	B1	DIN 4102
			Durability*	7 years	

All values listed are target values

Applications/features

Vehicle Graphics (flat surface)
Durable outdoor signage
Pure acrylic grey permanent adhesive for opacity
PE coated release liner with air channels
Easy bubble free application
Recommended for (eco) solvent, UVgel, UV curable and latex inks

Available Widths (mm)

3"core	1050	1370	1600							
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Refer for our current offering to www.canon-europe.com/mediaguide

Storage Conditions

Shelf life: 2 years. Temperature 10-25 °C, Relative Humidity 35-65%
Repack opened rolls when not in use. The material should be stored in its hanging fixations of the box.

Print Conditions

Best results are obtained between 15-25 °C and 35-65% RH.

Environment, Health & Safety

No Material Safety Data Sheet required. Waste not suitable for recycling.

Lamination Compatibility

Cold	Warm	Hot	Cold: pressure sensitive Warm: heat activated: 85°C - 95°C Hot: heat activated: 105°C -130°C
yes	no	no	

Outdoor Use

The material is designed for outdoor use.

Colour Profiles

Canon develops high-quality colour profiles for various media / ink / printer / RIP combinations.
Check availability of profiles for your printer on www.canon-europe.com/mediaguide

Processing Guidelines

Printing guidelines

Allow material to adapt to room conditions for 24 hours before printing. It is recommended to handle the media with cotton gloves. Make sure that the media comes not into contact with grease, oil, silicon, and dirt to avoid printing defects. Insert the film with care in the printer. Incorrect loading can cause skewing or creasing. It is recommended to calibrate the printer before printing and to make a test print. Print results will vary for different printer ink combinations. Canon media profiles include recommended settings for ink restrictions and printer parameters. Depending on environment and application, printer parameters may have to be adjusted slightly in order to obtain the best results.

Application guidelines

Optimal bonding properties are obtained on smooth and flat, dirt-and grease-free surfaces. Fresh lacquered surfaces should not be used for the application of the vinyl foil. Pre-testing the adhesive onto unknown surfaces is strongly advised.

The vinyl can and should be applied without any water. The air channels in the adhesive layer facilitate easy and bubble free application. When applying the vinyl temperature should be higher as 10 °C. Application temperature range from -40°C to +90°C.

IJM646 can be used outdoor without lamination. However, we recommend protecting the vinyl if is subject to mechanical abrasion. Lamination protects against UV and improves contrast and colour brilliance.

Let the prints dry for at least 24hr before laminating it. Use only pressure sensitive laminates.

For removal we recommend to start with one corner and slowly peel off the surface with a 60° – 90° peel angle. It may be helpful to use a hot-air blower but this must be used with caution to avoid surface damage.

* The estimated durability is based on accelerated ageing tests and refers to a vertical exposure under middle European climates. The durability of the product depends on the substrate's preparation, the atmospheric conditions and the environmental influence. Exposure to extreme conditions (tropical climate, high humidity, high UV-light exposure or polluted areas) can decrease the durability in a dramatically way.

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