

Self-adhesive Vinyl

Toner
Water
(eco) Solvent
UVgel / UV
Latex

IJM614 Polymeric Vinyl White, Gloss, Permanent B1 80 µm

Product Description

IJM614 Polymeric Vinyl is a high-quality, calendared, self-adhesive vinyl film with a glossy finish and a permanent adhesive for outdoor usage.

Physical Properties

Thickness total	230 µm	ISO 534	Dimensional stability	< -3 %	FTM 14
Thickness film	80 µm	ISO 534	Adhesion on steel after 20min	8 N/25mm	AFERA 5001
Weight liner	140 g/m ²	ISO 536	Adhesion on steel after 48h	11 N/25mm	AFERA 5001
			Flame Retardant	B1	DIN 4102
			Durability*	7 years	

All values listed are target values

Applications/features

Outdoor durable signage
Vehicle graphics (only flat surfaces)
Excellent print quality
High gloss, white surface
Permanent adhesive
PE-coated release liner

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 15-25°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. The outdoor durability of the unprinted film is 7 years.

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. Load the media with care in the printers. Incorrect loading can cause skewing or creasing. Use a take-up device to prevent wrinkling. 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 fluctuations in environment, printer, ink, media and applications, printer parameters may have to be adjusted slightly, in order to obtain the best results.

For high-speed production printing, using an external drying unit is recommended.

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. The vinyl can be applied to a large number of suitable flat and smooth surfaces (dirt-and grease-free). Pretesting the adhesive onto unknown surfaces is strongly advised.

When applying, temperature should be higher than 10°C. Service temperature range: -40°C to +90°C.

IJM614 is suitable to apply to wet surfaces.

Temporary whitening may appear but will disappear after a short period once the adhesive has completely dried.

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 or metal scraper but this must be used with caution to avoid surface damage. In the unlikely event that some adhesive residues remain on the surface they can easily be removed with a lemon-based cleaner or solvent (e.g. heptanes, isopropylalcohol, acetone).

Laminating guidelines

Let the prints dry for at least 48 hours before laminating. Only pressure sensitive laminates are recommended for outdoor usage.

Lamination will improve the UV resistance of the print and protects it against abrasion.

* 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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