

TECHNICAL INFORMATION

HARMAN OPALJET 300 XL



Key Features

- Ultra High resolution Alumina coating
- Excellent stability in Pop-Up systems & freestanding banners
- Extended colour gamut
- Strong Melinex® light-block base
- Tough 300 micron (12 mil) gauge

Base

The substrate is a 300 micron white/grey, co-extrusion of **Melinex®** opaque polyester film. The co-extruded construction eliminates any possibility of the base material de-laminating during use. Printing surface – white side. The grey reverse side acts as a stoplight barrier, to prevent light passing through from the back of the film, which would degrade image quality in the strong mixed lighting conditions typically found in retail and exhibition display.

Coating

The base is coated with an Alumina-based, glossy nanoporous ink receiving layer on the front face and an anti-curl/anti-static layer on the back. The front coating is specifically formulated to maximize the colour gamut and image acutance when used with modern ink sets such as HP Vivera, Epson Ultrachrome and K3 etc.

Compatibility

Suitable for the HP Z6100, Epson 11880 and Canon iPF9000 and all similar modern pigmented ink systems. Also compatible with HP UV inks and similar ink sets.

OPALJET 300 XL is not recommended with dye-based inks in thermal-head printers.

Applications

Pop-up banner display stands, freestanding banners and any display prints requiring a built-in, opaque backing. It is also suitable for lenticular screen displays.

OPALJET 300 XL allows the production of ultra-high quality indoor displays using aqueous pigmented ink jet systems. Lamination is recommended in all applications.

If used for short-term, outdoor applications, lamination with a UV inhibiting film and edge-sealing are essential.

Lamination

OPALJET 300 XL should be laminated to protect the surface with any proprietary pressure-sensitive laminate.

The images must be fully dry before lamination.

The "carrier-board" technique (also known as the "sled technique") is recommended to ensure curl is not created during lamination.

The bond of most pressure-sensitive laminates to the media can be assisted by running heated rollers, (if available on the laminator), at 40° C. It is also recommended that banners be given two hours after lamination before tensioning in cassettes, to ensure the maximum bond strength and minimise the potential for curl.

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A sample print should be test-laminated before committing to production, as individual work methods and equipment can vary widely.

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Melinex® polyester film is a trademark of DuPont Teijin Films