

Océ Specifications



Océ SmartMatt Paper 170 g/m²

Totally new product category / for full colour applications and technical drawings

Océ Imaging Supplies

Product Info

IJM150

Display Graphics 8

Product description 170 g/m² matt bright white pre-treated base coated with an inkjet-receptive layer on one side and a balance coating on the reverse side

Physical properties	Weight	176 ± 8g/m ²	ISO 536
	Opacity	min. 94%	Elrepho 3000 D65 10XLAV
	Whiteness	122 ± 3 CIE	Elrepho 3000 D65 10XLAV
	L,a*,b*, typical values	94 ; -0.5 ; -8.0	Elrepho 3000 D65 10XLAV

Features "The alternative photopaper"
Suitable for high ink laydown
Bright white base
Easy to feed and to laminate

Water-repellent and water-resistant for limited periods (when using outdoor inks)
Short drying time

Available sizes & article numbers	Width (mm)	Length (m)	Article number
	915	30	97120511
	1067	30	97120631
	1270	30	97120632
	1370	30	97120729
	1524	30	97120633
	915	50	97120225*
	1370	50	97120222*

* 3 inch core ; 4 notches in core

Storage conditions Temperature 10-30° C
Relative Humidity 20 – 70%



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	Please repack opened rolls when not in use Allow material to adapt to room conditions for 24 hours before printing		
Shelf life	1 year		
Environment, health & safety	No Material Safety Data Sheet required Paper waste suitable for recycling		
Main applications	Indoor signage (posters, points of purchase) Short-term outdoor applications (several days to a few weeks) Presentations / exhibitions High-quality CAD and GIS mapping		
Lamination tips	Suitable for both cold and warm (max. 85° C) lamination Generally lamination will not improve UV resistance (outdoor inks and media should be used when UV resistance is required) One-sided lamination may cause curl Lamination failure generally occurs inside the inkjet coating layer, therefore encapsulation is recommended		
Lamination properties	<i>Printer</i>	<i>Océ Ultra Range</i>	<i>Océ Cold Range</i>
	Océ DG printers	Good	Good
	Encad NJ printers	Good	Good
	HP 2x00/3x00/5000	Good	Good
Reverse side adhesion	Excellent for mounting and encapsulation applications <i>Rating: excellent , good , fair , not recommended</i>		
Outdoor suitability	Although the material was not specifically designed for outdoor applications, it shows considerable water resistance especially compared with premium coated papers SmartMatt can be used for outdoor applications (some weeks) with outdoor/pigmented inks When using outdoor/pigmented inks, however, some loss of colour strength may be expected. The use of Océ inks, Ilford inks and Encad GX ink can lead to premature fading of magenta.		

Processing Information

User tips	Side to be printed is the outer side of the roll Daily check/cleaning of cartridges is recommended This paper is developed to handle considerable inkloads, however inkloads above 240% and large composite black areas are not recommended The printed paper can easily be laminated and will give a very good image quality after lamination Colour profiles (Océ 5350 /Encad) will improve image quality For HP 2x00/3x00 machines, use of the "test media" setting is advised prior to selecting the best fit setting
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Colour profiles Océ For all Océ media and inks specific colour profiles have been developed to obtain maximum image quality and improved drying time

Colour profiles are ink, media and machine-specific

Profiles are available at <http://service.oce.com>

Performance on major Display Graphics inkjet printers

Optimal settings were chosen for all printers. High-speed settings can lead to banding and mottling

Machine type	Ink	Image quality	Remarks / Settings
Océ 5350 – 600	SC2/OC2/GC	4 / 4 / 2*	
Océ CS 5050/5070	SC2/OC2/GC	4 / 4 / 2*	
Océ CS 5090	SC2/OC2/GC	4 / 4 / 2*	
TCS400	Dye ⁰	4	
Océ 5150	Dye ⁰	4	CAD/GIS plots setting: other
Océ 5200	Dye ⁰	4	Minor banding, CAD/GIS
Encad NJ 500/630/700	GS+/GO+/GX	4 / 4 / 2*	
Encad NJ 850	GS+/GO+/GX	4 / 4 / 2*	
HP 750C	Dye ⁰	4	
HP 500 / 800	Dye ⁰	4	High Gloss Photo
HP 1050	Dye ⁰	4	
HP 2x00/3x00	Dye / Pigment	4 / 4	
HP 5x00	Dye / Pigment	4 / 4	HW Coated/ Color Fast Vinyl
Epson 9000	Dye	4	Pres. Matt Paper 720 dpi
Epson 9500	Pigment	4	Synthetic Paper 720 dpi
ColorSpan DM series	Dye / Pigment	3* / 4	
Agfa Montana	Dye / Pigment	3* / 4	
Mutoh 4000/6000	Dye / Pigment	4 / 4	
Roland HiFi Jet	Dye / Pigment	4 / 4	
Kodak 3000 series	Dye / Pigment	4 / 4	
Agfa Sherpa	Dye / Pigment	4 / 4	
Mimaki JV	Dye / Pigment	4 / 4	
RGI Bellise	Dye / Pigment	4 / 4	

4 = excellent, 3 = good, 2 = fair, 1 = not recommended

* premature fading of magenta ink may occur

⁰ Pigment ink in black ink



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Alternative and Associated Océ products

<i>Code</i>	<i>Media</i>	<i>Advantage</i>	<i>Remarks</i>
Various	Océ Photo Papers	Real photo paper / higher colour brilliance and sharpness	Price, drying time and outdoor ability of IJM150 are better
IJM160	Océ Self Adhesive Paper	Self adhesive	
IJM122	Océ Premium Grade 120g	Thinner; lower weight	Cockling at high ink loads

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**Printing for
Professionals**

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