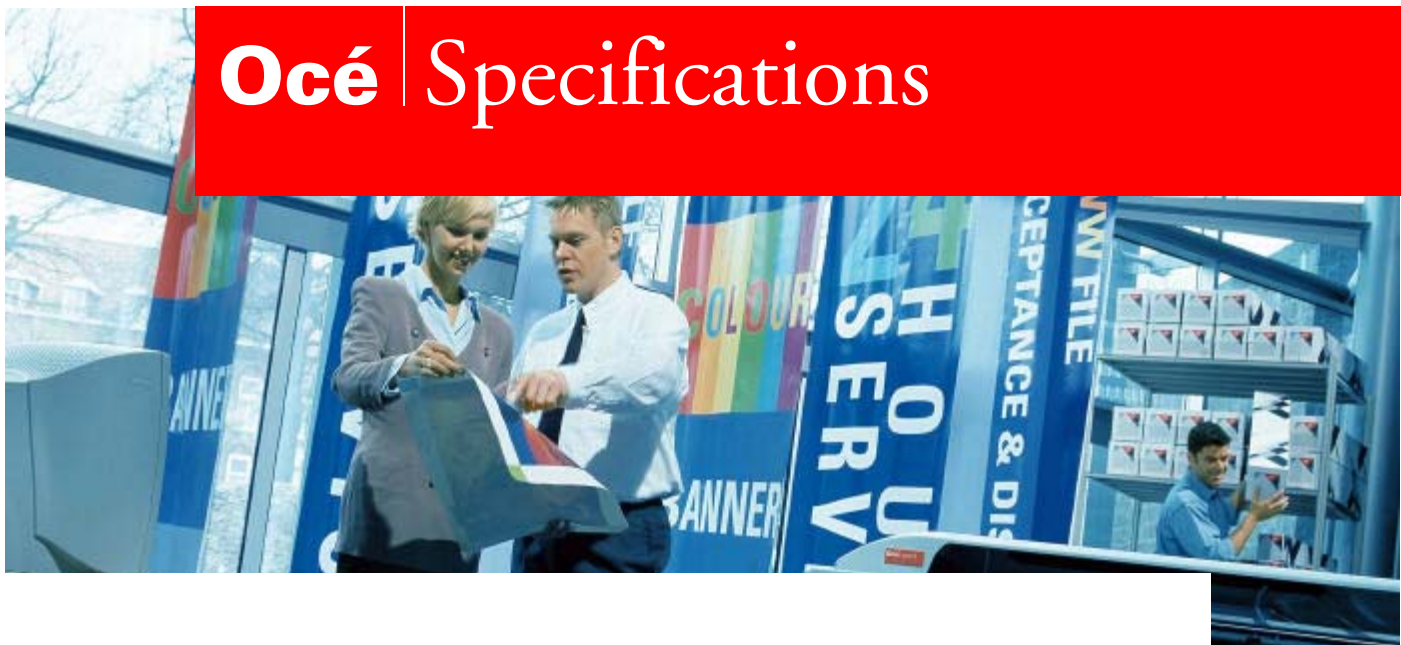


Océ Specifications



Océ Inkjet Outdoor Tyvek ®

Strong low-weight outdoor banner material also for moving/rolling backlit applications

Océ Imaging Supplies

Product Info

IJM522

Display Graphics

Version 5

Product description 225 µm spun polyolefin banner material, on one side coated with a multi-platform ink receptive coating layer
® Tyvek is a Dupont trademark

Physical properties	Weight	130 ± 5 g/m ²	ISO 536
	Caliper	225 ± 10 microns	ISO 534
Opacity	95 ± 5%	Elrepho 3000 D65 10XLAV	
Whiteness	122 ± 4 CIE	Elrepho 3000 D65 10XLAV	
L,a*b* typical values	98.9 ; 2.2 ; -5.7	Elrepho 3000 D65 10XLAV	
Tensile strength	8670/9590 PSI	(MD/TD)	
Ultimate elongation	21/26%	(MD/TD)	
Initial tear resistance	1080/840 lbs./inch	(MD/TD)	
Tear propagation	103/105 lbs./inch	(MD/TD)	



Features Highly versatile indoor/outdoor banner material suitable for indoor and outdoor inks
Very high tear strength
High whiteness
Easy hole punching or sewing

Available sizes & numbers	Width (mm)	Length (m)	Article number
	914	15	97084139
	1067	15	97084604
	1370	15	97084852
	1524	15	97084616

Storage conditions Temperature 10 – 30°C, Relative Humidity 30 - 70%
Please repack opened rolls when not in use
Allow material to adapt to room conditions for 24 hours before printing



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Shelf life 1 year

Environment, health & safety No Material Safety Data Sheet required
Waste not suitable to dispose of as waste paper

Main applications Outdoor/indoor signage and advertising banners
Presentations / exhibitions
Interesting product for moving/rolling backlit applications

Lamination tips Suitable for both cold and warm (max 85 °C) lamination
For warm lamination: dry for at least for 12 hours prior to lamination
Lamination is not necessary to obtain water-resistance, when pigmented (outdoor) inks are used
Lamination will protect the image from picking up dirt
Generally lamination will not improve of light fading resistance (Outdoor inks and media should be used when light fading resistance is required).
One-sided lamination may cause curling
Do not stitch or sew after, but before lamination

Lamination properties	<i>Printer</i>	<i>Océ Ultra Range</i>	<i>Océ Cold Range</i>
	Océ DG printers	Good (indoor use only)	Good
	Encad NJ printers	Good (indoor use only)	Good
	HP 2x00/3x00/5000	Good (indoor use only)	Good

Reverse side adhesion Good / Fair for mounting and encapsulation applications

Rating: excellent , good , fair , not recommended

Outdoor suitability This material is recommended for both indoor and outdoor applications
Lamination will protect the image from picking up dirt
There is a 3 months outdoor warranty on the product (when printed on Océ systems with Océ inks). Please refer to the Océ Warranty document for further information.
Dye-based inks will yield better colours, but water-resistance and light fading stability cannot be guaranteed

Processing information

User tips Side to be printed is the outer side of the roll
Best results between 18 -25° C and 20 - 60 %RH



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Daily check/cleaning of cartridges is recommended

Recommended ink laydown max. 250%, use of composite black is not advised

Ensure that the material stays flat in the printer during printing; weighing front corners down with alligator clips attached to a weight will prevent head strike

Let the image dry for a few hours before getting the image wet or to expose to outdoor conditions

Colour profiles will improve Image quality

When using Tyvek for banners or other hanging applications, hemming the edges is advised

Standard high-tack banner tape can be used and is preferred to sewing, as the sewing process can scratch or cause the coating to pick-off

If sewn, it is recommended that the unlaminated banners are stitched hem side up so that the sewing machine comes in contact with only the reverse surface of the banner

When applying grommets, they should be inserted in double hemmed edges. Corner grommets should be placed where the length and width hems cross, so that the grommet is embedded in four layers

Sharp folds may cause damage of the coating layer

Colour profiles For all Océ media and inks specific colour profiles were developed to achieve maximum image quality and improved drying time

Océ Display Graphics printers 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

Only OC / GO and pigmented inks will give outdoor suitable prints !!

<i>Machine type</i>	<i>Ink</i>	<i>Image quality</i>	<i>Remarks / Settings</i>
Océ 5350 - 300	SC / OC / GC	4 / 4 / 1*	
Océ 5350 - 600	SC / SC2 / OC / GC	4 / 4 / 4 / 1*	
Océ CS 5050/5070	SC / SC2 / OC / GC	4 / 4 / 4 / 1*	
Océ CS 5090	SC2 / OC / GC	4 / 4 / 1	
Océ 5150	Dye	4	best / other
Océ 5200	Dye	3	Some banding may occur
Encad NovaJet Pro-E	GS / GO / GX	4 / 4 / 1*	
Encad NJ 600	GS+ / GO / GX	4 / 4 / 1*	
Encad NJ 500/630/700	GS+ / GO / GX	4 / 4 / 1*	
Encad NovaJet 850	GS+ / GO / GX	4 / 4 / 1*	



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HP 750C	Dye	3	
HP 500 / 800	Dye	4	
HP 2x00/3x00	Dye / Pigment	4 / 4	
HP 1050 series	Dye	4	
HP 5000	Dye / Pigment	4	Colour Fast Vinyl
Epson 9000	Dye	4	Photo Quality IJ Pap 720dpi
Epson 9500	Pigment	4	Synthetic Paper 720 dpi
ColorSpan DM series	Dye / Pigment	1* / 4	
Agfa Montana	Dye / Pigment	1* / 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	

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

* Magenta may exhibit premature fading

Alternative and associated Océ products

Code	Media	Advantage	Remarks
IJM 512	Océ Inkjet Outdoor Paper	Paper like alternative for indoor banner.	Not a real outdoor banner because of low tear strength.
IJM 542	Océ Inkjet PE Banner	Smooth non structured material	Lower tear strength not for big formats
IJM 552	Océ Inkjet Reinforced Vinyl	Real outdoor banner. Heavy weight high tear strength	Heavy weight
IJM 570	Océ Outdoor Mesh Banner	Open structure	stiffer material
IJM 430	Océ Drop Banner	Flame retardant: M1 certificate	No waterproof images

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