



Mimaki

PRODUCT GUIDE

LUS-170

UV-LED Flexible ink

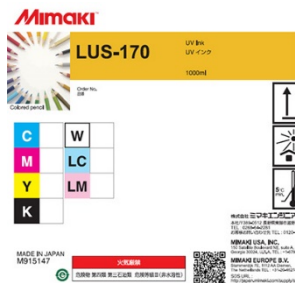


- **Newly developed environmentally friendly LED curable UV ink**
- **Creating more special effects with LUS-170**
 - Specially developed for 4-layer print, such as Day&Nigh effect
- **Stretchable up to 170%**
- **Low VOC, Nickel free**
- **GREENGUARD Gold certified**
- **High color density**
- **High scratch and chemical resistance**
 - High scratch resistance of LUS-170 allows printing on media such as tarpaulin without need for lamination after printing
- **Available in 8 different colors: Cyan, Magenta, Yellow, Black, Light cyan, Light magenta, White and Clear**

Ink pack details



Part No.	Description	Volume	Packaging	Applicable printer	Shelf lifetime
LUS17-C-BA-1	LUS-170 UV Curing Ink Cyan	1L	Bottle	UCJV150-160	12 months after production date
LUS17-M-BA-1	LUS-170 UV Curing Ink Magenta				
LUS17-Y-BA-1	LUS-170 UV Curing Ink Yellow				
LUS17-K-BA-1	LUS-170 UV Curing Ink Black			UCJV300-75/107/160	
LUS17-LC-BA-1	LUS-170 UV Curing Ink Light Cyan				
LUS17-LM-BA-1	LUS-170 UV Curing Ink Light Magenta				
LUS17-W-BA-1	LUS-170 UV Curing Ink White				
LUS17-CI-BA-1	LUS-170 UV Curing Ink Clear				



Ink label



Ink pack

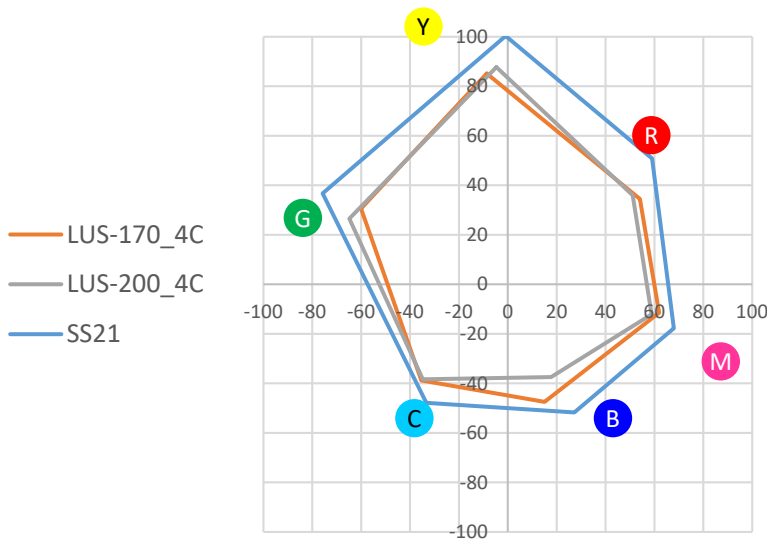


LUS-170 LED-UV ink: Color Gamut



	LUS-170	LUS-200
Colors		
Features	<ul style="list-style-type: none"> • Stretchable up to 170% • Flexible enough to fold • Ink film is less likely to crack by folding or cutting • Good media compatibility • GREENGUARD GOLD certified ink • Avery ICS warranty Program 	<ul style="list-style-type: none"> • Stretchable up to 200% • Ink film is less likely to crack by folding or cutting • High outdoor durability • 3M™ MCS™ Warranty guarantees up to 6-year outdoor durability
Applications	<ul style="list-style-type: none"> • Indoor signage and outdoor signage • Printing on the material which requires post processing such as cutting or heating 	<ul style="list-style-type: none"> • Outdoor vinyl signage* • Vehicle wrapping

* LUS-200 is not suitable to print on tarpaulin and banner material



Measurement condition:

LUS-170

Ink Set: CMYK
 Model: UCJV300-160
 Print Mode: 600x600, 16P
 Ink Limit: OFF
 Color matching: OFF
 Material: SPC-706

LUS-200

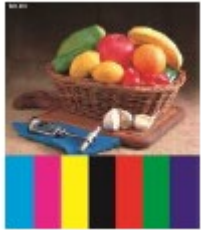
Ink Set: CMYK
 Model: UCJV300-160
 Print Mode: 600x600, 8P
 Ink Limit: OFF
 Color matching: OFF
 Material: SPC-706



Outdoor durability



Data

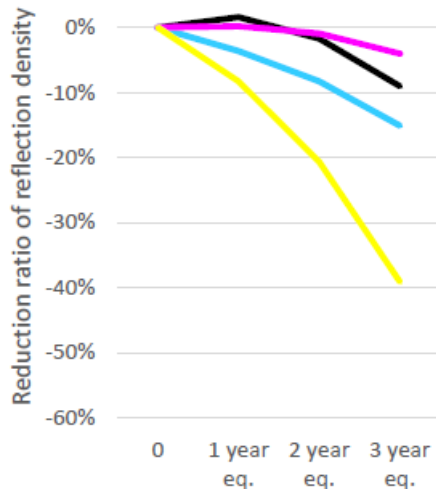


RIP Software
 Mimaki: RasterLink 6 plus
 HP, Epson: ONYX
 Roland: Versaworks Dual
 Media: PWS-G(PVC)

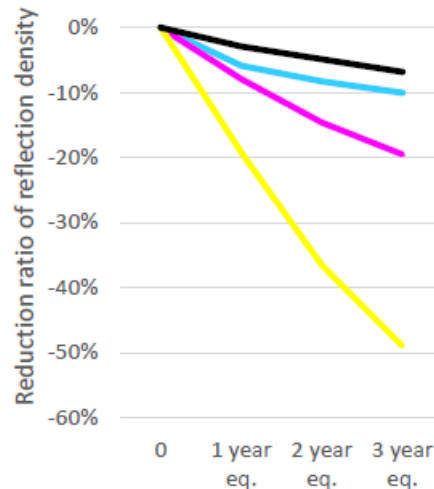
Test condition:

Outdoor durability condition: ISO11341-1
 Irradiation: 60 W/M² consistently
 Black panel temperature: 65°C
 Examination tank temperature: 38°C
 Relative humidity: -70%
 Shower: 18 min every 2h

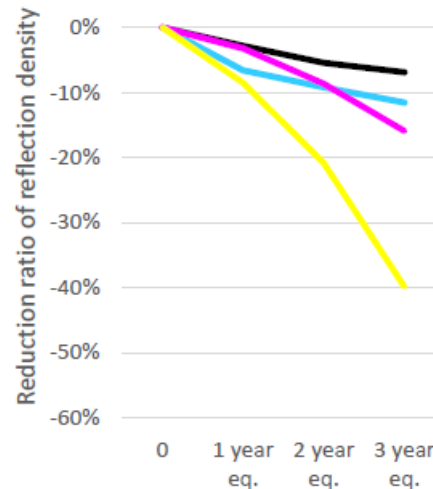
Mimaki LUS-170



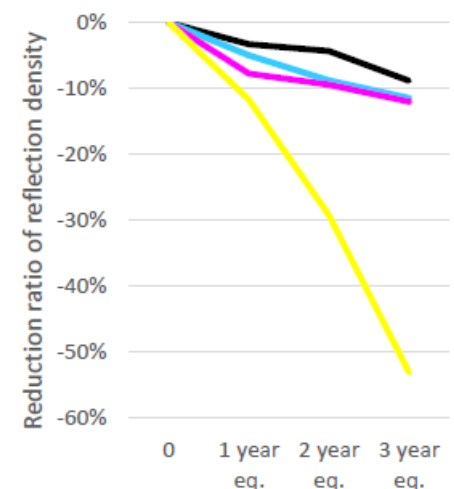
Roland TrueVIS



HP 831



EPSON GS3



- The durability of LUS-170 Yellow is slightly less because it is nickel-free ink
- The solvent resistance of LUS-170 is less because of its flexibility. Ink comes off by scratching with liquid, Ethanol 30%
- With the post processing by screen printing (solvent) varnish, LUS-170 ink layer may dissolve
- The use of solvent and adhesive agent on the material printed by LUS-170 is not recommended
- Please test beforehand applications which require solvent resistance

Scratch resistance



- Superior scratch resistance compared to solvent or latex print technologies

	Mimaki LUS170	HP HP 831	Roland TrueVIS	EPSON GS3
Scratch resistance evaluation test	Excellent	Acceptable	Acceptable	NG

Test method:
 Machine: Scratchiness tester RT-300
 Scratchiness Paper : Sand Paper #400
 Scratching time: 10 front-back motion
 Media: Hiraoka SJT-V200F (Banner)



Certificates

- **GREENGUARD Gold Certification for LED-UV inks**

- Mimaki LED-UV ink LUS-170 is GREENGUARD GOLD certified.
- Products that are GREENGUARD GOLD certified meets the rigorous standards for low emission of volatile organic compounds (VOCs) and ensures that a product is acceptable for use in environments such as schools and healthcare facilities.

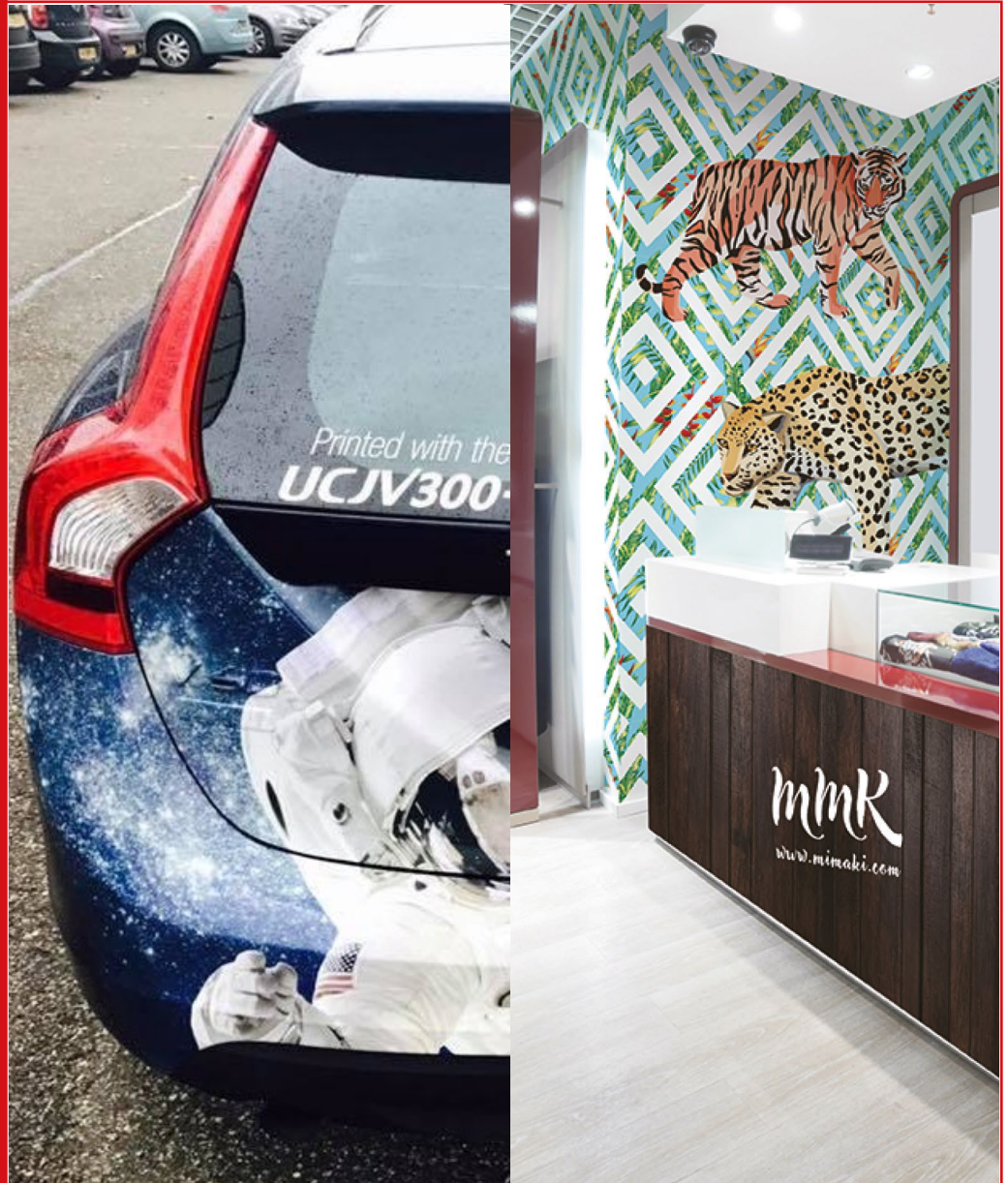


- **ICS Performance Guarantee**

- The ICS Performance Guarantee assures the performance of Avery films with a printing platforms when customers are working according to the relevant Avery Dennison Technical Bulletins associated with that product



Thank you



**MIMAKI EUROPE
B.V.**