



ICS Performance Guarantee Durability Chart

- UV Printed Digital Inkjet Printer Graphics (chart 2)

[Reference Avery Dennison Graphics ICS Performance Guarantee \(Terms & Conditions\) for details](#)

Expected Durability in Years, vertical exposure zone 1¹

Reference Product Data sheet for recommended applications

OEM		Mimaki				Mimaki				Mimaki				Mutoh					
Model		UJV-160				UCJV, UJV Printers				UJV100 printer				VJ-1638UR & VJ-1638UH					
Ink		LF-200				LUS170, LUS200				LUS190 / LUS210				UA31 LED UV					
MPI	DOL	Outdoor	Vehicles	Marine	Indoor	Outdoor	Vehicles	Marine	Indoor	Outdoor	Vehicles	Marine	Indoor	Outdoor	Vehicles	Marine	Indoor		
1105, 1106HTEZ, 1060	1000 Max Series	5	5	3	8	5	5	3	8	4	5/2	2	6	5	5	3	8		
	1300 Max Series	5	5	3	8	5	5	3	8	4	5/2	2	6	5	5	3	8		
	1000Z Series	5	5	3	8	5	5	3	8	4	4	2	6	5	5	3	8		
	1300Z, 1460Z Series	4	4	3	7	4	4	3	7	4	4	2	7	4	4	3	7		
	6040	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
	6460*	5/3	5/3	3	8	--	--	--	--	4/3	4/3	2	6	3/1	3/1	3	8		
1405	6460*	5/3	5/3	3	8	5/3	5/3	3	8	4/3	4/3	2	6	3/1	3/1	3	6		
2050, 2105 EZ, 2105 EZRS, 2120, 2126 HTEZ, 2900, 2902, 2903, 2903 EZ, 2929, 2922, 2923, 2923 EZ	1000 Max Series	5	5	--	5	5	5	--	5	4	4	--	4	5	5	--	5		
	1300 Max Series	5	5	--	5	5	5	--	5	4	4	--	4	5	5	--	5		
	1000Z Series	5	5	--	5	5	5	--	5	4	4	--	4	5	5	--	5		
	1300Z, 1460Z Series	4	4	--	4	4	4	--	4	4	4	--	4	4	4	--	4		
	2000 Series	3	3	--	3	3	3	--	3	3	3	--	3	3	3	--	3		
	3000 Series, 6040	2	2	--	2	2	2	--	2	2	2	--	2	2	2	--	2		
3300, 3320, 3303, 3323, 3302, 3322	1060 Max, 1360 Max, 1000Z, 1300Z, 1400Z, 2000 Series	3	3	--	3	3	3	--	3	3	3	--	3	3	3	--	3		
	3000 Series, 6040	2	2	--	2	2	2	--	2	2	2	--	2	2	2	--	2		
2610, 2611 Wall Film	1060 Max, 1360 Max, 1000Z, 1300Z, 1400Z, 2000 Series	3	3	--	3	3	3	--	3	3	3	--	3	3	3	--	3		
	3000 Series, 6040	2	2	--	2	2	2	--	2	2	2	--	2	2	2	--	2		
2630 & 2631 Wall Film	Unprotected	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2		
2121 Transit Vinyl, 2921, 2921 EZ	1000 Max, 1300, Max, 1000Z, 1300Z, 1400Z, 2000, 3000 Series, 6040	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1		



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Ink		LF-200				LUS170, LUS200				LUS190 / LUS210				UA31 LED UV			
MPI	DOL	Outdoor	Vehicles	Marine	Indoor	Outdoor	Vehicles	Marine	Indoor	Outdoor	Vehicles	Marine	Indoor	Outdoor	Vehicles	Marine	Indoor
2528 (50/50) 2728 (65/35)	1360 Optically Clear	1	1	-	2	1	1	-	2	1	1	-	2	1	1	-	2
V8000, V4000	1000 Max Series	5	5	3	8	4	4	2	6	4	4	3	6	5	5	3	8
	1300 Max Series	5	5	3	8	4	4	2	6	4	4	3	6	5	5	3	8
	1000Z Series	5	5	3	8	4	4	2	6	4	4	3	6	5	5	3	8
	1300Z, 1460Z Series	4	4	3	7	4	4	2	6	4	4	3	6	4	4	3	7
SF100-103 Ultra Clear	Unprotected	2	--	--	2	2	--	--	2	2	--	--	2	2	--	--	2

*DOL6460 when there are two numbers separated by a slash the first number designates vertical durability and the second number designates horizontal durability.

¹Zone 1 vertical exposure: Instructional Bulletin # 1.30 for durability guidelines. Unless otherwise stated, horizontal applications do not have any expectations of durability and Avery Dennison shall have no liability with respect to such installations. The exposure of films in the horizontal position voids any performance expectations as outlined in appropriate Product Data Bulletins and Instructional Bulletins. Films may retain legibility, but will not provide published Expected Durability for gloss, color retention, chalking, and overall aesthetic performance.

NOTES:

- If the stated durability of an approved allied component (ink, qualified clear coat) differs from that of the Avery Dennison material the finished graphics will be warranted for a period equal to the stated durability of the least durable component.
- This is an expected durability only. The printer maintains the ultimate responsibility for proper processing, ink drying, and print quality
- Unless otherwise stated, there is no expectation of durability for white, metallic, orange and green inks.
- Reference Instructional Bulletins 4.07 and 6.40 for information regarding UV ink conformability and post heating.
- With many UV inks there is the possibility of fine entrapment of air at the micro level, also known as "silvering" during the application of protective laminate. Changes to the heat, pressure, or speed of the maintain process may address silvering, but the presence of silvering is not covered by the ICS PG
- Agfa Tauro with Annuvia 1550 UV inks are recommended for vehicle graphics including flat, simple curves, trailers with rivets or rivets & corrugations only. Not for use on wraps which have compound curves, mirrors wrapped, or other highly stretched and conformable applications.
- Agfa Anapurna RTR 3200i with 1501 series UV inks are recommended for vehicle graphics including flat and simple curves only. Not for use on wraps which have compound curves, mirrors wrapped, or other highly stretched and conformable applications.
- Mimaki UJV100 with LUS190/LUS210 inks are recommended for vehicle graphics including flat, simple curves, trailers with rivets or rivets & corrugations only. Not for use on wraps which have compound curves, mirrors wrapped, or other highly stretched and conformable applications.
- Mutoh VJ-1638UR & VJ-1638UH with UA31 UV inks are recommended for flat and simple curves only. The durability published above includes white ink.