



# ICS Performance Guarantee Durability Chart

- UV Printed Digital Inkjet Printer Graphics (chart 1)

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

Expected Durability in Years, vertical exposure zone 1<sup>1</sup>

Reference Product Data sheet for recommended applications

		Durst Rho				Durst				HP				Canon				Ricoh				Roland			
		160, 160 plus, 160R, 320R, 351R, 500R, 205 UV, 1012				P5				FB6100, H35100, H35500, H45500, FP910				Colorado 1650, 1630, M-Series				Pro TF6251 UV				LEC2-640 LG-640			
		Rho Roll 30DM				Roll LED				FB200, SolaChrome0UV				UVgel 460				GP120				EUUV5			
MPI	DOL	Outdoor	Vehicles	Marine	Indoor	Outdoor	Vehicles	Marine	Indoor	Outdoor	Vehicles	Marine	Indoor	Outdoor	Vehicles	Marine	Indoor	Outdoor	Vehicles	Marine	Indoor	Outdoor	Vehicles	Marine	Indoor
			<u>1060 Max, 1360 Max</u>	5	5	3	8	4	4	2	6	5	5	3	8	5	5	3	8	4	4	2	7	5	5
<u>1105, 1106HTEZ, 1060</u>	<u>1000Z Series</u>	5	5	3	8	4	4	2	6	5	5	3	8	5	5	3	8	4	4	2	7	4	4	2	7
	<u>1300Z, 1460Z Series</u>	4	4	3	7	4	4	2	7	4	4	3	7	4	4	3	7	4	4	2	7	4	4	2	7
	<u>6040</u>	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	<u>6460*</u>	5/3	5/3	3	8	4/2	4/2	2	6	5/3	5/3	3	8	5/3	5/3	3	8	3	3	1	6	2	2	1	5
<u>1405</u>	<u>6460*</u>	5/3	--	3	8	3	3	3	6	5/3	--	3	8	5/3	--	3	8	3	--	1	6	2	--	--	5
<u>2050, 2105 EZ, 2105 EZRS, 2120, 2126 HTEZ, 2900, 2902, 2903, 2903 EZ, 2929, 2922, 2923, 2923 EZ</u>	<u>1060 Max, 1360 Max</u>	5	5	--	5	4	4	--	4	5	5	--	5	5	5	--	5	4	4	2	4	5	5	2	5
	<u>1000Z Series</u>	5	5	--	5	4	4	--	4	5	5	--	5	5	5	--	5	4	4	2	4	4	4	2	5
	<u>1300Z, 1460Z Series</u>	4	4	--	4	4	4	--	4	4	4	--	4	4	4	--	4	4	4	2	4	4	4	2	4
	<u>2000 Series, 6060</u>	3	3	--	3	3	3	--	3	3	3	--	3	3	3	--	3	3	3	--	3	3	3	--	3
	<u>3000 Series, 6040</u>	2	2	--	2	2	2	--	2	2	2	--	2	2	2	--	2	2	2	--	2	2	2	--	2
<u>3300, 3320, 3303, 3323, 3302, 3322</u>	<u>1060 Max, 1360 Max, 1000Z, 1300Z, 1400Z, 2000 Series</u>	3	3	--	3	3	3	--	3	3	3	--	3	3	3	--	3	3	3	--	3	3	3	--	3
	<u>3000 Series, 6040</u>	2	2	--	2	2	2	--	2	2	2	--	2	2	2	--	2	2	2	--	2	2	2	--	2
<u>2610, 2611 Wall Film</u>	<u>1060 Max, 1360 Max, 1000Z, 1300Z, 1400Z, 2000 Series,</u>	3	3	--	3	3	3	--	3	3	3	--	3	3	3	--	3	3	3	--	3	3	3	--	3
	<u>3000 Series, 6040</u>	2	2	--	2	2	2	--	2	2	2	--	2	2	2	--	2	2	2	--	2	2	2	--	2
<u>2630 &amp; 2631 Wall Film</u>	Unprotected	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2
<u>2121 Transit Vinyl, 2921, 2921 EZ</u>	<u>1060 Max, 1360, Max, 1000Z, 1300Z, 1400Z, 2000, 3000 Series, 6040</u>	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1



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		Outdoor	Vehicles	Marine	Indoor	Outdoor	Vehicles	Marine	Indoor	Outdoor	Vehicles	Marine	Indoor	Outdoor	Vehicles	Marine	Indoor	Outdoor	Vehicles	Marine	Indoor	Outdoor	Vehicles	Marine	Indoor
<u>2528 (50/50)</u> <u>2728 (65/35)</u>	<u>1360 Optically Clear</u>	1	1	-	2	1	1	-	2	1	1	-	2	1	1	-	2	1	1	-	2	1	1	-	2
<u>V8000, V4000</u>	<u>1060 Max, 1360 Max</u>	5	5	3	8	4	4	2	6	5	5	3	8	5	5	3	8	4	4	2	6	5	5	1	8
	<u>1000Z Series</u>	5	5	3	8	4	4	2	6	5	5	3	8	5	5	3	8	4	4	2	6	4	4	2	8
	<u>1300Z, 1460Z Series</u>	4	4	3	7	4	4	2	7	4	4	3	7	4	4	3	7	4	4	2	6	4	4	2	6
<u>SF100-103 Ultra Clear</u>	Unprotected	2	--	--	2					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.

<sup>1</sup>Zone 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 know 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

- **Durst Rho, HP, Ricoh and Roland UV inks are recommended for flat and simple curves only. Not for use on rivets, compound curves or corrugations.**

- **Canon UVgel inks should use Specialty Mode to achieve the best print quality. CMYK 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. White ink are durable up to 5 years and are recommended for flat and simple curve surfaces only.**