

Encad VinylJet™ 36” Media Recommended List (updated May 5, 2004)

(Check the Encad Web Site for the most up to date list)

Encad and Arlon Performance Guarantee for the Encad VinylJet 36 Printer

Arlon’s specially engineered DPF range (see list on following pages) – designed for superior performance with ENCAD VinylJet 36:

- Substrates and adhesives to match a variety of digital applications.
- Up to 3 years outdoor warranty with ENCAD AquaVinyl™ Ink.
- Encad tested and Arlon warranted.
- Outstanding print quality.
- Immediate availability.

For product or warranty information, go to www.arlon.com/graphics/CatalogProducts.asp?nProductsID=105. Arlon media may also be purchased through their US Distributor Channel: <http://www.arlon.com/graphics/Directory1List.asp>

Encad and Avery Dennison Performance Guarantee for the Encad VinylJet 36 Printer

Avery Dennison™ MPI (Multi-Purpose Inkjet) materials have been developed in close partnership with Encad for the VinylJet printer. The films will deliver high quality images across a broad range of applications. Avery Dennison guarantees that MPI materials will provide excellent print results and adhesive performance. And, Avery stands behind that guarantee on both cast and calendared products when an Avery Dennison™ DOL digital over-laminate is used to protect the graphics. Unlaminated MPI digital print materials will last up to three years for cast, one year for calendared in non-abrasive applications. For detail product and warranty information click on www.digital.averygraphics.com

Product	Over-laminate	Years
MPI 1005	Without	3
MPI 1005	DOL1000/1100	4
MPI 1005	DOL 2000	2
MPI 1005	DOL 3000	1

Saturn® 12 oz		Years
881705 Two-sided reinforced vinyl block-out	Indoor	5
	Outdoor	0.5 (6 months)

Note: All media for the VinylJet 36 SHOULD NOT exceed 36.00 inches (91.4 cm) in width. Any greater width will not feed through the printer correctly.

General Recommendations

The VinylJet 36 is balanced to work within specific temperature limits so that the thermal inkjet head fires properly. If the cartridge head gets too hot, it might not fire at all or lose some nozzles. However, the outdoor media needs to be heated in order to accept the unique, aqueous-based AquaVinyl ink. Thus, there is a balancing act of hot enough for the media, but not too hot for the inkjet cartridge head. The recommendations here and in the document "Tuning Your Encad VinylJet™ 36" help you to maintain your printer at optimal conditions for reliable printing with great color.

1. For Lined media, use a Clay based liner. Polypropylene type liners tend to cause the vinyl to stick to the printer and to itself as it is heated.
2. For Banner media, use the Banner Bar, and make sure the media passes OVER the banner bar.
3. For the IR Settings in the tables below use your Nominal setting plus or minus the recommendation for the media, except when the IR is recommended to be off, (for example, if nominal for your printer is 65% and the Settings IR says "-10%", use 55%, if 60% is recommended, use 50%, if the IR is recommended to be turned off – leave it off).
4. Unless Noted, use IR = nominal setting for your voltage, Platen = 65°C.
5. Use BEST mode for highest quality results.

Encad provides the following list as a resource for uncoated vinyl to be used with the VinylJet 36 printer. Encad has tested the following vinyl media with satisfactory results, but Encad cannot guarantee or warranty these products.

Media Recommended for the Encad VinylJet™ 36" United States and Canada

CAST MEDIA:

Mfg	Product Name / Number	Width / Size	Color / Finish	RIP Profile, Application, Notes	Settings IR	Thick (mil)	Adhesive
Arlon	DPF 6020	36"	White or clear	Very Good Image Quality	Nominal	2.0	Re-positional
Avery	MPI 1005			Very Good Image Quality	-5%	2.1	Removable pressure sensitive
3M	3690LF-10	36"	White	Very Good Image Quality	-5%	2.0	Pressure sensitive
FDC	Cast 2 mil			Very Good Image Quality	Nominal	2.0	
Flexcon	Cast DPM			Very Good Image Quality	Nominal		
Oracal	Premium 3951		Gloss	Very Good Image Quality	Nominal		

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CALENDARED MEDIA:

Mfg	Product Name / Number	Width / Size	Color / Finish	RIP Profile, Application, Notes	Settings IR	Thick (mil)	Adhesive
Arlon	DPF 4500G	36"	White	Excellent Image Quality	Nominal	3.0	Perm
Arlon	DPF 9020	36"	White	Very Good Image Quality	Nominal	3.8	Perm (medium initial tack)
Avery	MPI-2010	48", 54", 60"	Matte	Good Image Quality Needs to be cut	Nominal	3.4	Perm
Avery	MPI-2012	48", 54", 60"	Matte	Good Image Quality Needs to be cut	Nominal	3.4	Removable
FDC	Cal 3.2 mil			Good Image Quality	Nominal	3.2	
FDC	Scotchcal Electro Cut film			Good Image Quality	Nominal	2.0	
FDC	Cal 2.8 mil 4200-3615-002			Good Image Quality	Nominal	2.8	
Flexcon	A-69 PSA			Excellent Image Quality, Liner may wrinkle	Nominal		
Flexcon	A-58			Good Image Quality	Nominal		
Innovations	Cal Standard			Good Image Quality	Nominal		
MacTac	JT5822P			Very Good Image Quality	Nominal		
MacTac	JT5829P / JT5829R	60"	Gloss	Very Good Image Quality, but Gloss has matte look Needs to be cut	Nominal	3.5	Perm / Semi-Perm
MacTac	JT5928P	60"	Matte	Very Good Image Quality Needs to be cut	Nominal	2.8	Perm
MacTac	JT5529P	54"	Gloss	Very Good Image Quality, but Gloss has matte look Needs to be cut	Nominal	2.2	Perm
Oracal	Cal 3651	20", 24", 30", 36"	White, Clear, Gloss	Very Good Image Quality	Nominal	2.5	Perm
Oracal	Cal 3751	20", 24", 30", 36"	White, 78 colors, Gloss	Very Good Image Quality	Nominal	2.0	Perm
Seal	Cal Premier Vinyl, 60 pA (61236)	36"	White, Gloss	Coated paper	Nominal	3.2	

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BANNER MEDIA (Use Banner Bar):

Mfg	Product Name / Number	Width / Size	Color / Finish	RIP Profile, Application, Notes	Settings IR	Thick (mil)
Ameriban	VyJet, 13 oz.	36"		Excellent Image Quality	Nominal	
Avery ICG Saturn	12 oz. Digital Direct	36"	Matte	Excellent Image Quality. Double sided.	Nominal	
L.G. Chem	10 oz. Banner				Nominal	
L.G. Chem	13 oz. Banner				Nominal	
SeeMee	10 oz. Matte				Nominal	

Backlit Applications:

Mfg	Product Name / Number	Width / Size	Color / Finish	RIP Profile, Application, Notes	Settings IR	Thick (mil)	Adhesive
Arlon	Translucent Cast	54", 60"	Translucent		Nominal		
Oracal	Clear Calendared 651	36"	Clear		Nominal		

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SPECIALTY MEDIA:

Mfg	Product Name / Number	Width / Size	Color / Finish	RIP Profile, Application, Notes	Settings IR	Thick (mil)	Adhesive
Avery	Vinyl Floor Clear		Clear		Nominal		
General Formulations	Concept 203 Mounting PVC		White, Gloss		Nominal		Perm acrylic
General Formulations	Concept 208 Mounting		White		Nominal	7.5	Static cling
Flex-America	A7 Non-Woven Vinyl 6.5 oz.				Nominal		
L.G. Chem	One Way Film				Nominal		
L.G. Chem	LM 30012				Nominal		
Magnum Magnetic	Self Magnetic Vinyl				Nominal	15	Magnetic

Check Encad Website for the latest list of Uncoated Vinyl Resources. www.encad.com

Laminates

The Avery website has an excellent reference for laminating prints: www.digital.averygraphics.com and go to the pull down menu “Resources” and select “Instructional Bulletins.”

Phone Numbers / Websites

Encad	800-453-6223 (sales)	US	www.Encad.com
.....	877-362-2387 (technical)	US	
Ameriban	800-654-8405	US	www.ameriban.com
Arlon	800-854-0361	US	www.arlon.com
Avery	800-321-7607	US	www.digital.averygraphics.com
FDC Films	877-457-4760	US	www.fdcfilms.com
Flex-America	603-430-4438	US	
Flexcon	508-885-8383	US	www.flexcon.com
General Formulations.....	800-253-3664	US	www.generalformulations.com
Innovations	858-337-0772	US	
L.G. Banner	562-483-8091	US	www.lgchem.com (industrial materials)
MacTac.....	866-622-8223	US	www.mactac.com
Magnum Magnetic.....	800-258-0991	US	www.magnummagnetics.com
3M	800-374-6772	US	www.scotchprintgraphics.com
Oracal	888-672-2251	US	www.oracal.com
Orafol.....		Europe	http://www.orafol.de/ (same as Oracal)
Seal	44-1268-725-864	UK	www.sealbrands.com
SeeMee Banner	949-388-0939	US	www.seemeeus.com