



DigiPrime® Vision 9000

For HP Indigo 6K & 8K Digital Presses

DigiPrime® Vision 9000 sets new standards for performance, compatibility, and ease of use. It imparts exceptional print receptivity to the largest ever range of substrates, from smooth vinyl stocks to heavily textured and absorbent papers, plus unique materials like twill, velvet, and wood veneer. Combined with a highly stable viscosity, non-yellowing formulation, and easy cleanup, this water-based primer delivers unparalleled versatility and helps streamline press room operations by minimizing setup time and configuration changes. DigiPrime® Vision 9000 is fully approved by HP for use in the in-line priming units of HP Indigo 6K and 8K Digital Presses.

NEXT-GENERATION COMPATIBILITY AND PERFORMANCE

- **the widest substrate compatibility of any HP Indigo approved primer**, ideal for synthetics, metallized substrates, and a broad range of paper surfaces
- **superior adhesion on textured & absorbent media**, allows for **one-pass priming** even on challenging substrates
- **highly efficient** formulation optimizes the majority of substrates at **lower corona power and coat weight**
- **non-yellowing chemistry**, perfect for white substrates
- improved **moisture and water resistance**
- **highly stable viscosity** requires no adjustments under typical operating conditions
- **low odor** for improved operating conditions
- **improved runnability** in the tray with no drying on application rollers
- **easier cleanup** compared to previous primers

ABOUT THE DIGIPRIME® VISION SERIES

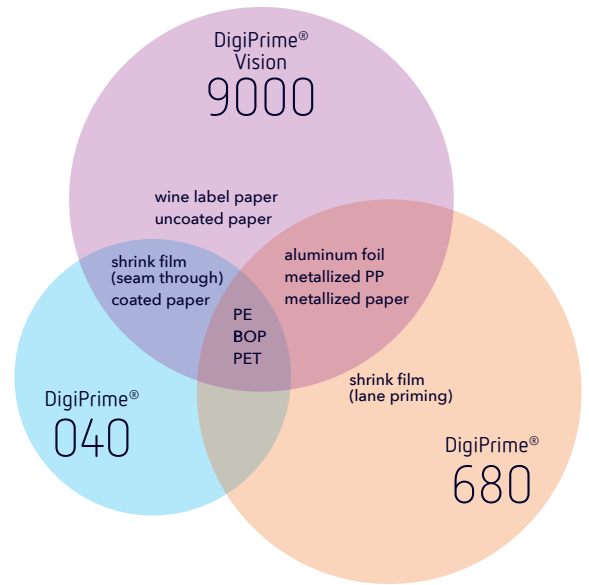
Building upon nearly two decades of innovation and partnership with HP Indigo, Michelman's extensive end-to-end application knowledge, and direct input from press owners and operators, DigiPrime® Vision in-line primers are engineered to provide superior performance, efficiency, and functionality for increased uptime, higher press operator satisfaction, and expanded opportunities for growth with HP Indigo Digital Presses.

Unleash the full potential of digital at mchl.mn/unleashed



Choosing the Best Primer for Your Application

Each application is unique, and different jobs will sometimes require different primers. There are many factors to consider, from substrate compatibility to performance, processing, and cleanup considerations. Use this table to help determine the best option.



DigiPrime®
70030
(discontinued)

DigiPrime® Vision
9000

DigiPrime®
040

DigiPrime®
680

PRODUCT SPECIFICATIONS

	DigiPrime® 70030 (discontinued)	DigiPrime® Vision 9000	DigiPrime® 040	DigiPrime® 680
Chemical Family	Family A	Family A	Family A	Family B
Solids Content (%)	29%	20%	26%	10%
Viscosity (cps)	30-60 cps	30-60 cps	10-20 cps	10-20 cps
Cleaning Solution	Michem® Clean 1188	Michem® Clean 1188	Michem® Clean 1188	water
ILP Maintenance and Cleanup	high maintenance	standard maintenance	high maintenance	standard maintenance
Viscosity Stability During Press Run	increases with time	stable	stable	stable
Primer Indicator	Michem® Indicator 001	Michem® Indicator 001	Michem® Indicator 001	Michem® Indicator 002

PERFORMANCE

Sensitivity to Yellowing of Coated Media	low	low	low	high
Water & Chemical Resistance	medium	medium-high	medium-high	very low
Lamination Performance (SF Adhesive)	low	low	low	medium
Lamination Performance (Solvent- or Water-based Adhesive)	medium	high	high	high

SUBSTRATE COMPATIBILITY

Synthetic	recommended	recommended	recommended	recommended
Coated Paper	recommended	recommended	recommended	testing required
Wine Label/Textured	recommended	recommended	not recommended	not recommended
Metallized	recommended	recommended	testing required	recommended

Switching to DigiPrime® Vision 9000

Information to assist operators of HP Indigo 6K & 8K Digital Presses when switching to DigiPrime® Vision 9000 (DPV9000) from the following primers: DigiPrime® 70030 (DP70030), DigiPrime® 040 (DP040), and 221127NX.

DPV9000 is approved by HP Indigo for use in the in-line priming (ILP) units of HP Indigo 6K & 8K Digital Presses and has successfully managed a similar range of substrate surfaces as other primers on those same presses.

SWITCHING PROCEDURE (ON-PRESS)

When switching from DP70030, DP040, or 221127NX to DPV9000, we recommend running two “ILP Wash” procedures: one with Michem® Clean 1188, followed by one with warm water.

1. Remove the current primer.
2. Perform the “ILP Wash” procedure in the press software.
3. Replace the Michem® Clean 1188 with warm water.
4. Run the “ILP Wash” procedure again.
5. Wipe down the rollers to clear any remaining residue.
6. Add DPV9000 to the primer tank.

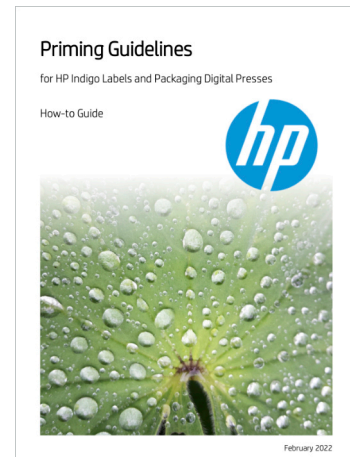
If 221127NX was previously used, there may be some condensation remains in the ILP unit, corona chamber, and/or the main exhaust piping. In this case, before switching to DPV9000, we recommend a thorough cleaning of the ILP unit with absorbent rags.

Note: When opening a new primer bottle or pail, stir gently, as some chemistry might settle. DO NOT shake or aggressively mix, as this might cause excessive foaming.

PRESS AND ILP SETUP

DPV9000 has very wide operating and performance windows, and in most cases will work at the same press settings as previous primers. Refer to the recommended default settings below when using a new substrate or setting a baseline.

	SYNTHETIC LABELS	PAPER LABELS
CORONA POWER	>300W	No
COAT WEIGHT	Low-Med	Low-Med
DRYER TEMP	60-75°C	60-75°C
BLANKET TEMP	105-110°C	95-105°C
2ND TRANSFER	200-250kgf	250-300kgf
FEED FAN	8V	4-8V



For more details on recommended press settings, adhesion tests, cleaning procedures, and more, please [consult the official how-to guide from HP Indigo](#).

SUPPORT

For additional support, your first point of contact is your local Michelman distributor.

Michelman works closely with distributors, leveraging in-depth application knowledge and two decades of experience developing solutions with HP Indigo to ensure press owners have the support they need, when and where they need it.

GUIDELINES FOR MAKING ADJUSTMENTS

When troubleshooting, or when adjusting settings for a specific application, please refer to these guidelines:

Corona Power: Best practice with corona treatment is to apply the minimum power needed to achieve good ink adhesion. Setting the corona power too high can cause topcoat dust and paper fiber debris that will mix with the primer and result in accumulation/drying on the application roller and a sudden increase in primer viscosity in the tank. This is especially critical when running wine labels. Start with no corona, or the very minimum amount, and increase it only if ink adhesion is not sufficient.

Coat Weight: Compared to other primers, DPV9000 typically requires less primer to achieve great ink adhesion. Thus, even on paper stocks, start with Low or Medium settings, and consider increasing to High only if seeing missing spots ("picking"). In many cases, special paper stocks that required double priming with previous primers now only require a single layer.

Dryer Temperature: The default temperature in the ILP is 70°C and is typically sufficient to properly dry the primer, though some adjustment may be necessary based on the substrate and primer coat weight. If running thin, synthetic label or heat-sensitive stock, consider lowering the dryer temperature to 60-65°C in conjunction with lowering the coat weight to ensure the primer is completely dry. Conversely, if running thick paper stock and/or a high primer coat weight, it may be necessary to increase the dryer to 75-80°C.

Blanket Temperature/2nd Transfer/Feed Fan: These three settings are the heart of the ink transfer process. It is common practice to adjust these based on specific substrate properties such as thickness, surface texture, or type of material. For example, when running wine labels and other textured/absorbent stocks, it is recommended to lower the blanket temperature and feed fan while increasing the 2nd transfer, e.g. 95°C/300kgf/4v.

PTH: While PTH is required for DP70030 and DP040, it is not typically needed for DPV9000. It is recommended only with very challenging substrates such as metallized paper stocks. Start with a low setting of 30-35°C, and consider increasing up to 50-55°C as needed.

Ink Order, Coverage, and White ElectroInk:

Generally, the higher the ink coverage, the more challenging the ink adhesion becomes, especially with total coverage of 270% and higher. Ink order also has a direct effect on ink adhesion, and sometimes changing that order can be useful for troubleshooting. Usage of White ElectroInk may introduce other challenges since, typically, this ink is used at 100-200% full coverage. If poor ink adhesion is observed, make sure the correct White Ink Drying Profile is used in the press software.

Viscosity: DPV9000 has a more stable viscosity than DP70030 & 221 127NX, significantly reducing the need to add water to the primer tank to avoid overflow issues when operating within typical print volumes and schedules. If printing is less frequent or in a warmer press environment, some increase in viscosity might be observed, requiring a small adjustment using DI/RO/distilled water to reduce viscosity if needed.

How to monitor and adjust viscosity:

- Use Zahn #2 cup to monitor viscosity. Fresh primer should read at 20-27 seconds.
- If the viscosity has risen to 30 seconds, a small water adjustment to the primer tank is recommended, up to 5% based on volume.

IMPORTANT NOTE: Press-side addition of ammonia IS NOT compatible with DPV9000 as it might adversely affect primer viscosity. DO NOT USE.

For questions about measuring or adjusting viscosity, please contact Michelman.

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