

Technical Information

Which ink can be used?

Offset (sheets):

- Conventional / Solvent based ink: Oxidizing, Low tac, Low VOC, High solid.
- The printer should use a 50 micron or larger coated spray powder.
- The pre-press screen setting should not exceed 220%.
- The water level should be reduced.
- The alcohol level should not exceed 5%.
- The anti-static at the printing machine should be turned of
- No heat on the press
- Lifts of 250 sheets for drying

Examples of Offset inks;

- Novaplast Process VH81 (Flint Group)
- Toyo TSG, TSP or CT process 400
- Epple Folien Ink

UV Offset (sheets):

- The printer should not use the inter deck UV lamps (between print units) and only use 1 lamp in the delivery set between at 50-70% power.
- The printer should expect a 4-6 hour cure time (drying time).
- The anti-static at the printing machine should be turned of

Examples of UV-Offset inks: (Standard UV inks which are used for vinyl)

- Hostmann-Steinberg (NewV Poly Series)
- Sun Chemical (Suncure Starlux)

HP Indigo (sheets):

- Recommended temperature setting: 140 degrees Celcius
- Standard HP inks
- Indigo 5000, 5500, 7000 and 7500 series (sheetfed) are compatible.
- Currently testing Indigo roll equipment
- Not recommended for Indigo 3050 and 3500 (different ink system – no longer supported by HP)
- Only two hits with white color on the Indigo – CLEAR sheet
- Wait 24 hours to cut and pack the labels after printing with white color on the clear Indigo sheet

Digital (reels):

- Should only use *Flexible* and not *Rigid* ink.
- **Only** UV Curable inks!
- Wide format is **not compatible with Solvent or Aqueous** wide format equipment
- Not compatible with screen printing equipment.
- *Recommended machines:*
- Vutek QS 3200

- Vutek VU 200/700
- Mimaki JF 1631
- Mimaki UJF 605C
- Oce Arizona
- Inca Spyder
- Durst Rho 350
- Durst Rho 500
- Durst Rho 700
- HP 550 FB = HP Colorspan 5460
- Agfa/Gandi UV RTR and Flatbed
- SwissQprint Oryx / impala / nyala

Which printing machines?

- All, but not Xeikon, Xerox, Canon and Acqueos, solvent / eco-solvent based printing machines

Which printing techniques do not work with ClingZ products?

- The ClingZ products cannot be printed with Screenprint, Latex, Ink-Jet and Laserprint.

Can ClingZ products be varnished?

- ClingZ does not recommend to varnish the films after printing. An extra lawyer of varnish will reduce the charge-level.
- No aqueous coating