



**Arpro M-Tec, LLC** introduces our **Artec Black**, providing a high density water-based black with excellent gloss and press performance. **Artec Black** has been formulated for paper substrate and most treated film substrates.

### Key features

- Excellent gloss, jetness and densities can be achieved when printing with low volume anilox rollers.
- Excellent press performance characteristics.
- Excellent economics.
- Low VOC's.
- Consolidation of inventory possible as a single black ink for various substrates.

### Properties

<b>Viscosity</b>	20 – 25”/ 3 Zahn (70° F)
<b>pH</b>	9.5 ± .3
<b>Calculated Tg (°C)</b>	25
<b>Heat Resistance</b>	250 °F, 40 psi, ½ sec dwell
<b>Rub / Mar resistance</b>	Good ( <i>modifiable with surface additives if necessary</i> ).
<b>Water Resistance</b>	Excellent –Passes 1 minute H2O drop-test and 50 wet rubs ( <i>finger rubs</i> ) after fully cured**.

### Printing Suggestions

- **Recommended substrate types:** Label stocks (i.e. Krome-Kote, Semi-Gloss, and C1S), SBS board, corrugated paperboard, coated paperboards and calendared or machined UCL. Treated film substrates (i.e. LDPE, BOPP, and PETG).
- **BCM recommendation:** 1.5 to 2.0 BCM range is the ideal range recommended for fine printing whereas 2.5 to 4.0 BCM ranges is recommended for spot coverage.
- **Improving resistance properties:** Use water-based or UV overprint varnishes that provide high degree of water, rub/mar, and scratch resistance or by incorporating a suitable PE wax emulsion.



- **Wash-up recommendation:** Cleaner solutions typically recommended by anilox manufacturers are suitable.

**Do Not**

- Do not lower viscosity of the finished ink below 18”/3 Zahn; this will cause loss in transfer properties effecting jetness and gloss.
- Do not store in temperatures exceeding 95° F for extended periods.
- Do not allow pH to drop below 8.5 (we recommending maintaining pH by using a suitable pH maintenance solution like our ***Ink-Add*** or similar products available in the industry).

\*\* We recommend allowing the ink to fully cure for 24 hours before testing for resistance properties.

DISCLAIMER – The information compiled and provided on this data sheet are reported as tested under controlled conditions, however it is the buyers responsibility to determine the fitness and suitability of its end use. Arpro M-Tec, LLc reserves the rights to alter any data as a result of ongoing new technical and manufacturing process development for this product

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