



Arpro M-Tec, LLC introduces **Meta-Scratch**, a water-based metallic specifically formulated for printing scratch-off game inserts as well as lottery tickets.

Key features

- Low environmental impact water based formulation. Contains no APE.
- Specifically developed to provide leveling on UV release coats.
- Excellent hiding can be achieved when applied in combination with Opaque White or Black inks.

Properties

Viscosity	20-25" / #3 Zhan Cup
pH	8.5 ± .5
Average Particle size	8.0 - 10.0 µm
Pigment Content	13.0 % ± 1.5%
Heat Resistance	250 °F, 40 psi, ½ sec dwell
Rub / Mar resistance	Poor (<i>recommend using an appropriate Overprint Varnish</i>)
Shelf-life	4 months, under normal storage conditions.

Printing Suggestions

- **BCM recommendation:** 5.5 to 8.0 BCM ranges are recommended.
- **Application:** Typically printed over a UV release coating to achieve optimum scratch-off properties.
- **pH recommendation:** A range of 8.5 ± .5 is generally preferred, as this allows for good press performance and prolongs shelf-life of the finished inks.



Do Not

- Do not incorporate any inks, additives or pigmented dispersions that are high in alkalinity, this will cause excessive gassing, poor printing, loss of brilliance, rapid viscosity gain and lower the shelf life.
- Do not store metallic inks in temperatures over 95° F for extended periods.
- Do not leave product in uncovered containers for prolonged periods. Always replace cover/lid after each use to maintain a good shelf-life.
- Do not mix aluminum pigment based inks using high sheer mixers, doing this will cause pigment fallout, gassing and loss of brilliance.

** Inks are manufactured upon receiving order, a 24 hours degas process is required before packaging and shipment.

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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