Arpro Inks
Specialty Inks & Coatings

Providing the most advanced technology available in the printing industry for water based inks using bronze pigments, ***Arpro M-Tec, LLc*** has combined excellent press performance, high brilliance and coverage with this line of *Metallic Gold* inks.

- ***Meta-Flex 871*** - Leafing 871 Gold
- ***Meta-Flex 872*** - Leafing 872 Gold
- ***Meta-Flex 873*** - Leafing 873 Gold
- ***Meta-Flex 874*** - Leafing 874 Gold
- ***Meta-Flex 875*** - Leafing 875 Gold
- ***Meta-Flex 876*** - Leafing 876 Gold

Key features

- Clean printing and operator friendly requiring minimal maintenance on the press.
- Already matched to industry color standards.
- Lower pigment particle size allowing finer vignette printing and line work with excellent coverage characteristics for spot areas as well as trapping.
- Advance polymer technology provides virtually no tarnishing and improved shelf-life without any hard settling problems which are typically encountered with bronze pigmented water based inks.

Properties

Viscosity	40-45"/3 Zahn (70º F)
pH	9.0 ± .5
Average Particle size	6.0 µm
Shelf Life	Up to 6 months for un-opened containers when stored under normal conditions.
Heat Resistance	250 °F, 40 psi, ½ sec dwell
Rub / Mar resistance	Good (*optimized by using a suitable water-based or UV OPV*)
Water Resistance	Good (*optimized by using a suitable water-based or UV OPV*)

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Printing Suggestions

- ***MIX WELL before use*** – As typical with metallic pigments, soft settling will occur during storage. We recommend for best results to thoroughly mix the ink.
- ***Recommended substrate types***: Label stocks (i.e. Krome-Kote, Semi-Gloss, and C1S), SBS board, coated paperboards and calendared or machined UCL.
- ***BCM recommendation***: 2.5 *to* 3.5 BCM range is the ideal range recommended for fine printing whereas 4.0 *to* 5.0 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.
- ***Wash-up recommendation***: Cleaner solutions typically recommended by anilox manufacturers are suitable.

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 mix metallic inks using high sheer mixers, doing this will cause pigment fallout and loss of brilliance.

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

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