

ALLEN AVIONICS, INC.

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TECHNICAL DATA SHEET

PART NUMBER: RT012 INK

This information is believed to be reliable, but the suitability of the products described must be judged by the individual user. They are subject to change without notification or obligation. No warranty or liability by ALLEN AVIONICS, INC. for results obtained is expressed or implied.

The RT012 ink series is an air curing, one component, semi-paste ink for application by direct dry offset printing with plate equipment and reservoir machines with single or multiple rolls. RT012 Ink can be used on almost any surface, porous or non-porous, such as plastics (polyethylene, epoxy, nylon, bakelite, phenolic, G10, polyester, melamine), metal, glass, wood, fiberglass, ceramics, paper, rubber and painted surfaces.

DRYING/CURING:

This ink has a moderate drying rate. A 2 mil film usually dries in 2 to 3 hours. Air curing inks attain their ultimate properties in two stages: drying through the loss of solvent, and curing by oxidation. Both stages are dependent upon the substrate material being printed, the ink film thickness, and the ambient conditions. The application of heat will accelerate both stages. In most cases this ink will completely air cure within 72 hours at room temperature. A good cure can be obtained in 30 to 60 minutes at 121 degrees Celsius in an industrial oven with forced vented air.

ACCESSORY CHEMICALS:

Use only Allen Avionics CL120 Cleaner to remove ink from machine and other parts which come in contact with ink. Other solvents may cause damage to rollers and pad. Use only Allen Avionics rollers. Other rollers may shorten life of ink machine.

SHELF LIFE: Six Months

The shelf life begins on the month following the shipdate. Optimum storage condition is between 5 and 10 degrees Celsius in the original unopened container. Allow ink to warm gradually to room temperature before use.

OTHER TECHNICAL DATA:

This ink has minimal solvent resistance, but prints have shown resistance to soaking water and gasoline as described in Federal Specification TT-I-1795A.

Air curing ink prints are generally more opaque, glossy, and durable than those of conventional air drying inks.

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IMPORTANT NOTES:

The materials used in formulating this product may present health or safety hazards as defined by the OSHA Hazard Communication Standard. Always consult the Material Safety Data Sheet for specific hazard information before using this product.

The performance (transfer, adhesion, and permanence) of any ink is directly related to the cleanliness of the surface being printed. The surface must be free of all foreign matter or contamination.

Please contact ALLEN AVIONICS, INC. directly, for assistance with custom colors, application questions, related inks for other application methods, or any other application questions.

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