

# Excalibur

Technologically Superior Ink



## DURATEX WATERBASED NYLON INK SERIES

Duratex Water Based Nylon Inks are specially designed for printing on nylon fabrics, leathers and a wide range of synthetic fabrics. Duratex is water based and does not produce or emit any solvent fumes. Printing Duratex Water Based Nylon Inks on nylon is a one-step process and does not require any tricky catalyst mixtures that will limit pot life. Duratex Water Based Nylon Inks will washup with water from screens, mixing tools and squeegees.

## FEATURES AND BENEFITS

- Single-step process for many nylon substrates that eliminates need for catalyst that reduces pot life of ink.
- Does not contain any solvent components that emit harmful fumes into air.
- Available in a ready-for-use and base to pigment colour mixing systems to create and print rarely used custom colours helping to curb inventory costs.
- Completely PVC-free, phthalate-free and lead-free formulations complies with all standards of Consumer Product Safety Improvement Act (CPSIA) banning phthalates and heavy metals in textile-printing inks.

## TECHNICAL INFORMATION

**Gel Temperature:** Inks must be gelled between colors when printing multi-color designs. Inks will gel when the surface of the ink film reaches approximately 240°F (120° C).

**Curing:** To provide maximum washability it is recommended that prints be cured through a conveyerized dryer with forced air for at least ½ to ¾ minute at 350°F (177°C) or let air dry and cure with a Heat Transfer Machine at 350°F (177°C) for 15 seconds.

**Mesh:** 120--160/inch (48T-64T cm) screen mesh is recommended.

**Stencil:** Phthalate-free water-proof stencils.

**Modification:** DX1204 Duratex Base can be used to extend the ink or to mix colors utilizing AQUA Water-based pigment concentrates. Duratex DX 1200 Retarder may be used in limited quantities to slow the drying time of the printing inks (3 to 6%).

**Squeegee:** 60-70 durometer squeegee blades are recommended for best results.

**Transferring With Duratex Inks:** Consult Technical Data Sheet for Duratex Transfer System in Transfer Section of Ink Catalogue at [www.lancergroup.com](http://www.lancergroup.com).

**Clean-up:** Warm water may be used to clean Duratex inks from squeegees, mixing tools and screens. For difficult spots use 2000 Green or a detergent.

**COLOURS**—Lemon Yellow, True Yellow, Light Gold, Gold, Orange, Bright Red, Super Red, Fuschia, Violet, Bright Blue, Light Blue, Turquoise, Bright Dallas Green, Fresh Green, Black, White, ColorPro Mixing System, PCPro Mixing System.

## CAUTION

Always test finished prints for curing, opacity, adhesion and desired effect prior to beginning full production runs. Lancer Group International cannot guarantee the results or back claims that this mixed ink will test phthalate-free if any additive other than an additive manufactured by Lancer Group International is used to modify this ink. Test results by a third-party laboratory verifying all components used to produce this ink are phthalate-free and lead-free are available upon request.



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