



Introducing Mutoh DS4 ProFlex Ink

Mutoh DS4 ProFlex is a next-generation dye sublimation ink designed for precise colour output, productivity, and versatile printing. Building on the success of DS3, it features improved colourants, enhanced surface retention, and stable processing.

It delivers vivid, consistent colours—even with uncoated sublimation paper—and supports both transfer and direct printing onto polyester fabrics. DS4 ProFlex enables efficient sublimation at lower temperatures, reducing energy use and protecting delicate textiles.

Optimized for Mutoh printers with AccuFine 1600/HD3200 printheads, it is ideal for fashion, sportswear, décor, signage, and promotional items. DS4 ProFlex is also in the process of being certified for ECO PASSPORT by OEKO-TEX®, ensuring safety for textile applications.

DS4 ProFlex Part Numbers - 1000 g Ink Pack

DS4-BK1000PE - Black
 DS4-CY1000PE - Cyan
 DS4-MA1000PE - Magenta
 DS4-YE1000PE - Yellow
 Use with INKCASE-1000 ink cases



Key Benefits

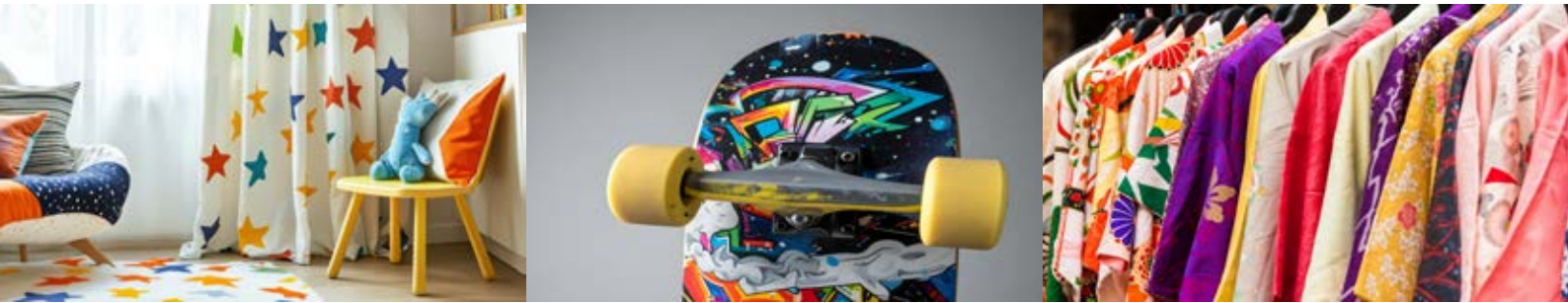
- **Superior Colour Consistency**
Reliable, accurate colour across runs and media - ideal for consistent branding.
- **Exceptional Surface Staying Power**
Sharp, vibrant results even with non-coated papers.
- **Refined Colourant Profile**
Deeper blacks and purified colours meet ECO PASSPORT standards.
- **Hassle-Free Upgrade**
Seamless switch from former systems - no retraining or new maintenance tools needed.
- **Production-Tested**
Proven stable in fast, real-world environments with various papers.
- **Lower Temp Activation**
Effective from just 195°C — saves energy and protects heat-sensitive fabrics.

Applications & Substrates

Transfer Printing: Onto polyester, polyester-rich-fabrics (>65% PES) or polyester-coated items (e.g. mugs, ceramic-tiles, pens).

Direct Printing: Onto closed-weave polyester & polyester-rich fabrics (>65% PES recommended).

Target Uses: Fashion, sportswear, décor, soft signage, promotional products.



Application – Guidelines

Transfer Printing (Paper to Substrate):

- Use a heat press or calender
- Paper must be fully dry before transfer
- Temp: $\geq 195^{\circ}\text{C}$ | Time: ≥ 30 seconds | Medium–high pressures
- Adjust settings based on paper, fabric, and equipment type

Direct Printing (Polyester Fabric):

- Use on polyester or polyester-rich blends (closed-weave type)
- Post-wash recommended to enhance softness, fastness, and remove residues



Ink Installation & Maintenance

- No pre-flushing needed—Mutoh printers come pre-flushed from factory.
- Use cleaning liquid for regular maintenance.

Shelf Life & Storage

- **Shelf life:** 12 months
- **Shipping:** $+5^{\circ}\text{C}$ to $+35^{\circ}\text{C}$
- **Storage:** Cool, dry, shaded, off the floor

Usage Conditions

- **Storage:** 22°C – 30°C
- **Humidity:** 40–60% RH (non-condensing)
- Gently agitate weekly (3×10 seconds).
- **Do not shake** the pouch—agitation is more effective for particle stability.

Printer Compatibility

- XpertJet 1341WR Pro



- XpertJet 1642WR Pro



- XpertJet 1682SR DS Pro



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