

Technical Datasheet – 70gsm Sublimation Paper

1. Product Overview

JD 70gsm Sublimation Paper is engineered for high-quality transfer printing on polyester-based fabrics and coated substrates. It is ideal for medium to high ink coverage designs and balances cost, drying time, and color performance. Suitable for both roll-to-roll and flatbed heat transfer processes.

2. Application Areas

- Sportswear & team jerseys
- Fashion apparel
- Home textiles (curtains, cushions)
- Soft signage & flags
- Custom gift items

3. Technical Specifications

Parameter	Value
Base Paper Weight	70gsm $\pm$ 1gsm
Coating Type	Fast-dry microporous coating
Transfer Rate	$\geq$ 95%
Ink Compatibility	Water-based dye sublimation inks
Drying Time	<10 seconds at 25°C RH50%
Opacity	$\geq$ 94%
Whiteness	$\geq$ 98% (CIE)
Surface Finish	Matte
Curl Resistance	Excellent ($\leq$ $\pm$ 2mm)
Width Options	24" / 36" / 44" / 63" / Jumbo Roll
Roll Length	100m–3000m
Shelf Life	Up to 18 months under sealed conditions
Recommended Storage	10–30°C, RH <60%

4. Recommended Usage

****Printing Settings:****

- Resolution: 720×1440 dpi or higher
- Ink Load: Medium to high coverage
- Compatible Printers: Epson, Mimaki, Roland, Mutoh and Chinese printers

****Heat Transfer Settings:****

- Temperature: 180–200°C
- Time: 25–35 seconds
- Pressure: Medium
- Remove paper immediately after pressing

5. Key Features & Benefits

- High color release and vivid image reproduction
- Excellent ink absorption with fast drying
- Anti-curling and smooth paper feeding
- Wide compatibility with industrial printers
- Economical choice for fashion and home textile producers