

Light-resistant Disperse Dye Ink

DD400

Durable Disperse Dye Ink for Interior Textile & Apparel



DD400 is a disperse dye ink suitable for printing industrial textiles such as car seat covers, interior designs (curtains, carpets, etc.) due to its high resistance to crocking and colorfastness to light. It is also suitable for apparel products due to its resistance against perspiration and washing. DD400 disperse dye ink is recommended for applications which require high durability that were difficult to obtain with conventional sublimation inks.

Extensive Color Expressions Made are Possible!

Additional colors such as red, pink, violet and grey to the standard C,M,Y,K, a total of 8 colors, transform the imagination of designers into a variety of color expressions.



Fastness comparison with sublimation ink

DD400 demonstrates a fastness of 4-5 class or higher in JIS's washing fastness test. Compared to conventional sublimation ink, it has excellent abrasion resistance, discoloration and contamination capacity. It keeps colorful prints even after long use and washing.

Item	Test method	DD400				Mimaki sublimation ink						
		K	C	M	Y	K	BL	M	Y			
Light-resistance (grade)	JIS L 0842	5	5-6	5-6	5-6	3-4	3-4	4-5	6			
Washing (grade)	JIS L 0844 A-2	Discoloration	4-5	4-5	4-5	4-5	4	4-5	4-5	4-5		
		Contamination	Cotton	4-5	5	5	4-5	4-5	4-5	4-5	5	
			Silk	4-5	4-5	5	4-5	4	4-5	4	4-5	
Sweat (grade)	JIS L 0848	Acidity	Discoloration	5	5	5	5	4-5	5	5	5	
			Contamination	Cotton	4-5	5	4-5	4-5	4	4-5	4	4
				Silk	4-5	4-5	4-5	4-5	3-4	3-4	3-4	4
		Alkalinity	Discoloration	5	5	5	5	4-5	5	5	5	
			Contamination	Cotton	4-5	5	4-5	4-5	4	4-5	4	4
				Silk	4-5	4-5	4-5	4-5	3-4	3-4	3	4
Rubbing (grade)	JIS L 0849 II	Drying	5	5	4-5	4	4	4-5	4-5	4-5		
		Humidity	5	5	4-5	4-5	2	3	3	3-4		

※[DD400] color fixing conditions: 175°C-10 minutes HT steaming. (In case of Mimaki's pretreated "Tropical" fabric.)

[Mimaki Sublimation ink] color fixing conditions: 180°C-60 seconds. (In case of Mimaki's pretreated fabric)

The above results are based on internal test, which may differ depending on material and local conditions. Please make sure to have a test before actual printing.



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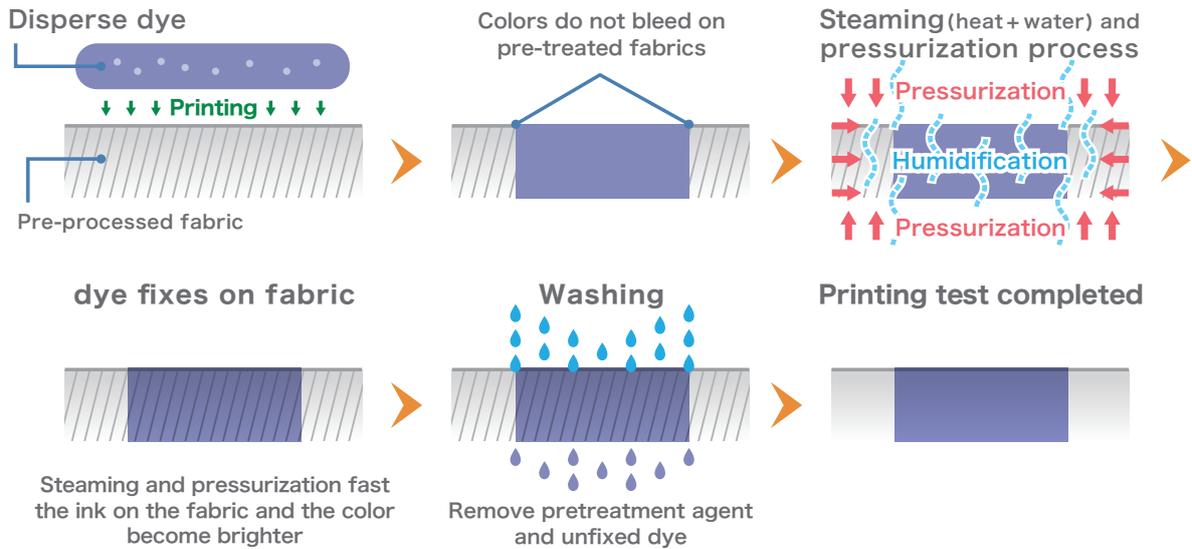
DD400

Printing on polyester



After printing, heat is applied and the color is fixed to the fabric creating high resistance to crocking. Its high resistance to crocking and colorfastness to light, makes it suitable for printing industrial textiles such as car seat covers, interior designs and can be used in apparel productions. The variety of color expressions and its excellent durability create high added value printings.

Disperse dye Ink Fixing Method



Compatible models



Entry-level Direct Textile Inkjet Printer

Tx300P-1800



Belt-Type Direct Textile Inkjet Printer

Tx300P-1800B

Product name	Color	Product number	Note
DD400 INK	Cyan	DD400-C-2L	2L ink pack
	Magenta	DD400-M-2L	
	Yellow	DD400-Y-2L	
	Black	DD400-K-2L	
	Red	DD400-R-2L	
	Pink	DD400-P-2L	
	Violet	DD400-V-2L	
	Gray	DD400-G-2L	

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