



Mutoh High Speed Water-Based Disperse Dye ink

RJ80DS1-100-xx / RJ80DS1-500-xx



Mutoh disperse dye inks for transfer printing of polyester.

→ After printing with this ink type onto transfer paper or polyester fabrics, you have to perform a sublimation follow-up treatment (transfer), high pressure and temperature (calender), to fix the colours.

When printing directly onto polyester fabric with this ink type, the fabric needs to be washed before use, to remove the brownish dispersant and to be left with the vibrant colours typical for sublimation inks.

Mutoh's High Speed Water-Based Disperse Dye inks are available in 1 liter and 5 liter bottles.

For Use With

- Viper 65/90
- Viper 65/90 Extreme
- Viper 100
- Viper TX 65/90
- Viper TX 65/90 Extreme

Ink Durability

Mutoh's Water-Based Disperse Dye inks have been thoroughly tested for their durability. Please find below a short explanation of the conducted tests according to ISO standards.

Light fastness ?

Purpose: Evaluate the resistance of an output on polyester textile towards the effect of sunlight. Light Fastness: rating 1-8, 8 = best

Colour fastness towards washing ?

Purpose: Evaluate the colour fastness of an output on polyester textile towards the effect of washing. Wash fastness: rating 1-5, 5 = best

Colour fastness towards perspiration ?

Purpose: Evaluate the colour fastness of an output on polyester textile towards the effect of perspiration. Perspiration fastness: rating 1-5, 5 = best



TEST RESULTS – INK DURABILITY :

ISO STANDARD:		EN ISO 105B02	EN ISO 105C02	EN ISO 105E04
Colour	Part Nr.	Light fastness	Wash fastness	Perspiration fastness
Yellow	RJ80DS1-100-YE RJ80DS1-500-YE	6-7	4-5	4-5
Magenta	RJ80DS1-100-MA RJ80DS1-500-MA	6-7	4-5	5
Cyan	RJ80DS1-100-CY RJ80DS1-500-CY	5-6	4-5	4-5
Black	RJ80DS1-100-BK RJ80DS1-500-BK	6	4-5	4-5

Please note that textile products must have an authenticity or colour-authenticity, if they want to achieve their purpose. This authenticity cannot only be attributed to the ink, but apply for a certain colour/ink fixative in a certain textile. The kind of combination and the strength of the combination between the colour/ink and textile will guarantee the authenticity.

What is the UV outdoor durability?

The weather durability tests show that the UV outdoor durability of Mutoh's Water-Based Disperse Dye inks will go up to 3 months.

Does the ink qualify as environmentally friendly?

Yes, because our Water-Based Disperse Dye ink is a water-based ink, no VOCs are being released during printing.

The ink is perfectly safe to use, since it requires no health and safety labels.

Does this ink comply with any important regulations?

The ink components are pre-registered for REACH.