



# UV RESISTANT DIGITAL DYE SUBLIMATION INK

FOR HEAT TRANSFER ON POLYESTER  
USING INK JET PRINTING WITH PIEZO DROP ON-DEMAND  
TECHNOLOGY

## FOR WIDE FORMAT PRINTERS

AVAILABLE COLORS:

CYAN, MAGENTA, YELLOW, BLACK

PRINTER COMPATIBILITY:

US Sublimation UV MAX ink is compatible with any printer using Piezo Drop on-demand technology including Mimaki, Roland, Epson and Mutoh.

LICENSING:

US Sublimation's UV MAX Dye Sublimation Inks are sold under license to European Patent EP 1 778 798. The license is transferred to the user at the time of purchase allowing the user to use the ink for dye sublimation. The use of this inkjet ink, under the terms of the license, is restricted solely to the use with ink jet printers having a carriage width of 42 inches or more.

FASTNESS:

The fastness have been evaluated on a 105 g/m<sup>2</sup> 100% PES material. Transfer conditions were 210°C (410°F) for 30 seconds. Light exposure varied from a minimum of 250 hours to 450 hours (actual exposure is indicated next to the gray scale rating: es. UV MAX Yellow gray scale light variation 4/250 hours of light exposure. Table 1 refers to ratings based on Carbon Arc Light Fastness test; Table 2 refers to ratings based on Xenon Arc Light Fastness test.

To achieve the fastness shown on the table, it is recommended with direct printing that the excess chemicals be eliminated by washing.

<b>TABLE 1</b>	<b>Light</b>		<b>Water</b>		<b>Washing</b>		<b>Persp.</b>		<b>Persp.</b>		<b>Rubbing</b>		<b>Rubbing</b>		<b>Dry Clean</b>	
<b>Carbon Arc</b>			<b>Severe</b>		<b>140 F</b>		<b>Acid</b>		<b>Alkali</b>		<b>Dry</b>		<b>Wet</b>			
	AATCC 16A Gray Scale / Exposure Hrs		ISO 105E01		ISO 105/B02		ISO 105/C03		ISO 105/E04		ISO 105/X12		ISO 105/X12		ISO 105/D01	
	100%	10%	ch.	st.	ch.	st.	ch.	st.	ch.	st.					ch.	st.
CYAN	4- 5/450	4-5/450	5	5	5	5	5	5	5	5	4	4-5	4-5	5		
MAGENTA	4/450	4-5/250	5	5	5	5	5	5	5	5	4	4	4-5	5		
YELLOW	4/250	4/250	5	5	5	5	5	5	5	5	4-5	5	4	5		
BLACK	4/200	4/100	4	5	5	5	5	5	5	5	4-5	4-5	5	5		

<b>TABLE 2</b>	<b>Light</b>		<b>Water</b>		<b>Washing</b>		<b>Persp.</b>		<b>Persp.</b>		<b>Rubbing</b>		<b>Rubbing</b>		<b>Dry Clean</b>	
<b>Xenon Arc</b>			<b>Severe</b>		<b>140 F</b>		<b>Acid</b>		<b>Alkali</b>		<b>Dry</b>		<b>Wet</b>			
	ATTC 16E Gray Scale / Exposure Hrs		ISO 105E01		ISO 105/B02		ISO 105/C03		ISO 105/E04		ISO 105/X12		ISO 105/X12		ISO 105/D01	
	100%	10%	ch.	st.	ch.	st.	ch.	st.	ch.	st.					ch.	st.
CYAN	4- 5/450	4*5/450	5	5	5	5	5	5	5	5	4	4-5	4-5	5		
MAGENTA	4/250	4/200	5	5	5	5	5	5	5	5	4	4	4-5	5		
YELLOW	4/400	4/400	5	5	5	5	5	5	5	5	4-5	5	4	5		
BLACK	4/350	4/300	4	5	5	5	5	5	5	5	4-5	4-5	5	5		