

**Textile Effects**

**NOVACRON<sup>®</sup> MI reactive inks**

For ink jet printing on cellulosic fibers



**Textile Competence**

## NOVACRON® MI reactive inks

# Process

### Textile preparation

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The goods are prepared by padding with:

<b>Cotton or viscose</b>	100–200 g/l	THERMOCOL® MP
	100–300 g/l	urea*
	40 g/l	alkali*, e.g. soda ash
	20 g/l	LYOPRINT® RG (anti-reduction agent)
	10 g/l	LYOPRINT® AIR 1:1 (de-aerating agent)
		pick up 70–80 %

\*amount dependent on type of fabric and fixation method

### Ink jet printing

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See the instructions issued by the manufacturer of the ink jet printer.  
The optimal printing conditions are: temperature 20–22 °C/68–72 °F,  
humidity >60 %.

## Fixation

<b>Cotton</b>	steam at 102 °C/216 °F for 7–10 min or thermofix at 140–150 °C/284–302 °F for 3–5 min
<b>Viscose</b>	steam at 102 °C/216 °F for 7–10 min

## Washing off

The composition and sequence of the treatment baths depend on the fabric and machinery available.

<b>Cotton/viscose</b>	rinse 5 min with cold water soap for 5 min at 98 °C/210 °F with 2 g/l ERIOPON® R rinse for 3 min at the boil rinse warm/cold
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## NOVACRON® MI reactive inks

### Ink range

#### Printing range

**NOVACRON Yellow MI-100**



**NOVACRON Golden Yellow MI-200**



**NOVACRON Orange MI-300**



**NOVACRON Red MI-400**



**NOVACRON Red MI-500**





**NOVACRON Blue MI-600**



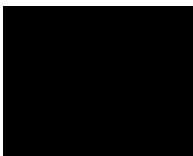
**NOVACRON Turquoise MI-700**



**NOVACRON Gray MI-800**



**NOVACRON Black MI-900**



**NOVACRON Strong Black MI-950**

**CLEANJET CS  
INK DILUENT AR**

cleaning solution  
ink diluent to obtain light shades

## NOVACRON® MI reactive inks

# Performance

### Fastness properties

NOVACRON	Xenon lamp 240 h	Light AATCC 16E	Water ISO 105-E01			Washing 4, 95 °C/203 °F, ISO 105-C04		
	100%		Ch	CO	WO	Ch	CO	WO
<b>Yellow MI-100</b>	5-6	L5	5	5	5	5	5	5
<b>Golden Yellow MI-200</b>	5	L5	5	5	5	5	5	5
<b>Orange MI-300</b>	3	L4	5	4-5	5	5	5	5
<b>Red MI-400</b>	3-4	L5	5	5	4-5	5	4-5	5
<b>Red MI-500</b>	3-4	L4-5	5	5	5	5	5	5
<b>Blue MI-600</b>	5-6	L6	5	5	5	5	5	5
<b>Turquoise MI-700</b>	6	L5-6	5	4-5	4-5	4-5	4-5	4-5
<b>Gray MI-800</b>	5-6	L6	5	4-5	4-5	4-5	5	5
<b>Black MI-900</b>	5-6	L6	5	5	5	4-5	5	5
<b>Strong Black MI-950</b>	5-6	L6	5	5	5	4-5	5	5

NOVACRON	Chlorine water ISO 105-E03 20 mg/l	Acid perspiration ISO 105-E04			Alkaline perspiration ISO 105-E04		
	<b>Ch</b>	<b>Ch</b>	<b>CO</b>	<b>WO</b>	<b>Ch</b>	<b>CO</b>	<b>WO</b>
<b>Yellow MI-100</b>	4-5	5	5	5	5	5	5
<b>Golden Yellow MI-200</b>	4	4-5	5	5	4-5	5	5
<b>Orange MI-300</b>	4	5	4-5	5	5	4-5	5
<b>Red MI-400</b>	3-4B	4	4-5	5	4	4-5	5
<b>Red MI-500</b>	3B	5	4	4-5	5	4	4-5
<b>Blue MI-600</b>	3B	5	5	5	5	5	5
<b>Turquoise MI-700</b>	3Y	5	4-5	5	5	5	5
<b>Gray MI-800</b>	2-3Y	5	4	4	5	4	4-5
<b>Black MI-900</b>	4Y	5	4	4	5	4-5	5
<b>Strong Black MI-950</b>	4Y	5	4	4	5	4-5	5

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