



# NOVACRON® ADVANCE Reactive Inks

Freedom of choice for  
digital cellulosic printing

## Key Benefits :

### Coloristic Performance

- Achieve the widest gamut and deepest shades which are comparable to analog printing

### Deepest Blacks

- Deliver maximum deepness of black ensuring reproducible results

### Fastness Performance

- Fastness profiles which are comparable to analog printing

### Control Coloristic cost

- Keeping ink consumption at the lowest possible level

### Reliable Printing

- Designed to maximize productivity for industrial inkjet printers with Kyocera heads

**HUNTSMAN**

Enriching lives through innovation

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## Textile Effects

# NOVACRON® ADVANCE Reactive Inks

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Sustainability  
Innovation  
Collaboration

# NOVACRON® ADVANCE Reactive Inks

## Textile preparation

The goods are prepared by padding with:

### Cotton or Viscose

40–80 g/l PREPAJET® UNI or 100 - 200 g/l PREPAJET® PIJ

100–300 g/l urea\*

40 g/l alkali\*, e.g. soda ash

20 g/l LYOPRINT® RG anti-reduction agent

0–10 g/l LYOPRINT® AIR 1:1 de-aerating agent

pick up 70–80%

\*amount dependent on type of fabric and fixation method

### Silk

50–100 g/l PREPAJET® UNI or 100 - 200 g/l PREPAJET® PIJ

80–100 g/l urea

15 g/l alkali, (sodium bicarbonate)

10 g/l LYOPRINT® RG anti-reduction agent

0–22 g/l LYOPRINT® AIR 1:1 de-aerating agent

pick up 70–80%

## Inkjet printing

See instructions issued by the manufacturer of the ink jet printer. Optimum printing conditions: temperature 20–25°C/68–77°F, humidity above 50%.

The inks should be stored at temperature around 20-25°C.

After printing the textile should be dried at 85-100°C before fixation.

## Fixation

### Cotton

steam at 102° C/216° F for 7–10 min

or thermofix at 140–150° C/284–302° F for 3–5 min

### Viscose

steam at 102° C/216° F for 7–10 min

### Silk

steam at 102° C/216° F for 10–12 min

## Wash-off

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





### Cotton/Viscose/Silk

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

NOVACRON® ADVANCE Reactive Inks				
	NOVACRON® ADVANCE Yellow 1000	NOVACRON® ADVANCE Orange 3000	NOVACRON® ADVANCE Red 4600	NOVACRON® ADVANCE Pink 4800
<b>NOVACRON® ADVANCE Reactive Inks</b>				
<b>Pattern</b>	100%	100%	100%	100%
<b>Color Values on CO</b>				
L*	88	60	47	38
a*	-8	58	60	59
b*	91	61	31	9
<b>Fastness Properties</b>				
<b>Xenonlight</b> (ISO 105-B02)	6–7	4	4–5	4–5
<b>Water</b> (ISO 105-E01)				
Ch	5	5	5	5
CO	5	4–5	4–5	4–5
PES	5	4–5	4–5	4–5
<b>Washing 95° C, E1S</b> (ISO 105-C06)				
Ch	5	5	5	5
CO	4–5	4–5	4–5	4–5
PES	5	5	5	5

NOVACRON® ADVANCE Reactive Inks				
	NOVACRON® ADVANCE Magenta 5000	NOVACRON® ADVANCE Blue 6000	NOVACRON® ADVANCE Cyan 7000	NOVACRON® ADVANCE Black 10000
<b>NOVACRON® ADVANCE Reactive Inks</b>				
<b>Pattern</b>	100%	100%	100%	100%
<b>Color Values on CO</b>				
L*	38	44	58	20
a*	57	5	-38	0
b*	0	-47	-26	-4
<b>Fastness Properties</b>				
<b>Xenonlight</b> (ISO 105-B02)	4	6	6	5
<b>Water</b> (ISO 105-E01)				
Ch	5	5	4–5	5
CO	4–5	4–5	4	4–5
PES	5	4–5	4–5	4–5
<b>Washing 95° C, E1S</b> (ISO 105-C06)				
Ch	5	5	4–5	5
CO	4–5	4–5	3	4–5
PES	5	5	4–5	5

NOVACRON® Advance  
Reactive Inks

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