



Digital Printing

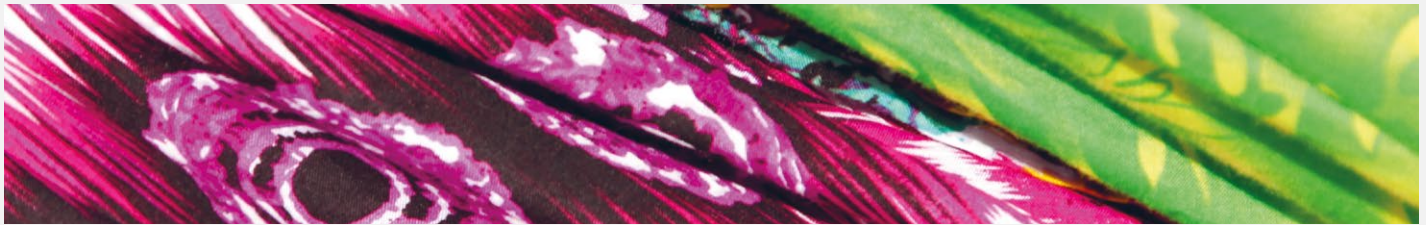
// Products and recipes //



lamberti
chemical specialties

Product	Type of inks				Characteristics			Description
	Reactive	Acid	Disperse	Pigment	Ionicity	pH	Appearance	
Carbocel RE-7	•		•		AN	8.5 - 9.5 (sol. 5.0%)	Whitish powder	<ul style="list-style-type: none"> Carbocel RE-7 is a purpose-built product in powder form for pre-treatment of different kind of fabrics to ink-jet printing Liquors based on Carbocel RE-7 enhance and guarantee a high color yield and a superior printing definition Carbocel RE-7 (stock 5.0%) is suggested to be used at 250-350 g/l for the preparation of liquors
Fluicol LQ	•		•		AN	6.5 - 9.5	Light brownish liquid	<ul style="list-style-type: none"> Fluicol LQ is a specific product used for pre-treatment of different kind of fabrics to ink-jet printing The main purpose of Fluicol LQ is to guarantee a high color yield and a superior printing definition Fluicol LQ can be easily removed either from previously prepared or printed fabric by using a standard washing off procedure Fluicol is suggested to be used at 100-150 g/l either on cellulosic or PES fabrics
Printex® DP	•		•		AN	6.0 - 7.5 (sol. 6.0%)	Whitish powder	<ul style="list-style-type: none"> Printex® DP is a purpose-built product in powder form for pre-treatment of different kind of fabrics to ink-jet printing Thanks to the synergism of natural and synthetic polymers Printex® DP enhances and guarantees a high color yield and a superior printing definition Printex® DP (stock 6.0%) is suggested to be used at 250-350 g/l for the preparation of liquors
Printex® DA		•			NI	6.0 - 8.0 (sol. 20.0%)	Light brownish powder	<ul style="list-style-type: none"> Printex® DA is a purpose-built product in powder form for pre-treatment of different kind of fabrics to ink-jet printing with acid dyes Printex® DA enhances and guarantees a high color yield and a superior printing definition, recommended for light fabrics (silk or wool) Printex® DA (stock 20.0%) is suggested to be used at 200-300 g/l for the preparation of liquors
Printex® PS 14 CF		•			NI	5.5 - 7.5 (sol. 10.0%)	Brownish powder	<ul style="list-style-type: none"> Printex® PS 14 CF is a chemical free natural thickener used for pre-treatment of fabrics to ink-jet printing with acid dyes The main purpose of Printex® PS 14 CF is to guarantee a high color yield and a superior printing definition Printex® PS 14 CF (stock 10.0%) is suggested to be used at 250-350 g/l for preparation of liquors
Printex® BA24	•	•			NI	6.0 - 7.0 (sol. 10.0%)	Whitish powder	<ul style="list-style-type: none"> Printex® BA24 can be considered as an auxiliary chemical mainly suggested to improve printing definition on light or very light fabrics in blend with Printex® PS 14 CF or Printex® DP
Lamberti Jet P70				•	CA	5.5 - 7.0	Whitish liquid	<ul style="list-style-type: none"> Lamberti Jet P70 is a synergic blend of chemicals designed for pre-treatment of fabrics to ink-jet printing with water based pigment inks Lamberti Jet P70 can be applied on the fabric by padding (wet pick up 60-70%) Lamberti Jet P70 is suggested to be used from 50 to 100 g/l
Lamberti Jet A5M				•	NI	6.5 - 8.5	Whitish liquid	<ul style="list-style-type: none"> Lamberti Jet A5M is a purpose built chemical developed for post-treatment of fabrics to ink-jet printing with water based pigment inks Lamberti Jet A5M can be applied on the fabric by padding (wet pick up 60-70%) Lamberti Jet A5M is suggested to be used from 80 to 120 g/l
Esajet 18				•	NI	7.0 - 9.0	Whitish liquid	<ul style="list-style-type: none"> Esajet 18 is intended to be used in combination with Lamberti Jet P70 to increase rubbing and washing fastness of fabrics digitally printed with water based pigment inks Esajet 18 is suggested to be used from 10 to 30 g/l

AN = Anionic / CA = Cationic / NI = Non Ionic



Indicative recipes

Pre-treatment of fabric for **REACTIVE** ink-jet printing:

	Cotton (g/l)	Viscose (g/l)
Water	Up to volume	Up to volume
Carbocel RE-7 - Stock 5.0%	250 - 350	250 - 350
Urea	80 - 100	140 - 180
Antireducing agent	10 - 15	15 - 20
Sodium carbonate or bicarbonate	25 - 30	25 - 30
	Cotton (g/l)	Viscose (g/l)
Water	Up to volume	Up to volume
Fluicoll LQ	100 - 150	100 - 150
Urea	80 - 100	140 - 180
Antireducing agent	10 - 15	15 - 20
Sodium carbonate or bicarbonate	25 - 30	25 - 30
	Cotton (g/l)	Viscose (g/l)
Water	Up to volume	Up to volume
Printex® DP - Stock 6.0%	250 - 350	250 - 350
Urea	80 - 100	140 - 180
Antireducing agent	10 - 15	15 - 20
Sodium carbonate or bicarbonate	25 - 30	25 - 30

- Padding (wet pick up ca. 70-80%)
- Dry (not over 110 °C)
- Ink-jet printing / Steam 102 °C for 8-10 min.
- Wash off, soap and rinse

Pre-treatment of fabric for **ACID** ink-jet printing:

	Silk, Wool & Polyamide (g/l)	
Water	Up to volume	
Printex® DA - Stock 20.0%	250 - 350	
Urea	40 - 60	
Ammonium sulphate or tartrate sol. 1:2	60 - 80	
	Silk, Wool & Polyamide (g/l)	
	Without BA24	With BA24
Water	Up to volume	Up to volume
Printex® PS 14 CF - Stock 10.0%	200 - 300	200 - 300
Printex® BA24 - Stock 10.0%		50 - 100
Urea	40 - 60	40 - 60
Ammonium sulphate or tartrate sol. 1:2	60 - 80	60 - 80

- Padding (wet pick up ca. 70-80%)
- Dry (not over 110 °C)
- Ink-jet printing / Steam 102 °C for 35-40 min.
- Wash off and rinse

Pre-treatment of fabric for **DISPERSE** ink-jet printing:

	(g/l)
Water	Up to volume
Carbocel RE-7 - Stock 5.0%	250 - 350
Antireducing agent	15
Citric acid sol. 1:1	till pH 5.0
Lamjet A 19	10 - 20
	(g/l)
Water	Up to volume
Fluicoll LQ	100 - 150
Antireducing agent	15
Citric acid sol. 1:1	till pH 5.0
Lamjet A 19	10 - 20
	(g/l)
Water	Up to volume
Printex® DP - Stock 6.0%	250 - 350
Antireducing agent	15
Lamjet A 19	10 - 20

- Padding (wet pick up ca. 70-80%)
- Dry (not over 110 °C)
- Ink-jet printing / Steam 170 °C for 8-10 min.
- Wash off, reduction clearing and rinse

Pre-treatment of fabric for **PIGMENT** ink-jet printing:

	(g/l)
Water	Up to volume
Lamberti Jet P70	50 - 100
Esajet 18	10 - 30

Post-treatment of fabric ink-jet printed with **PIGMENT** inks

	(g/l)
Water	Up to volume
Lamberti Jet A5M	80 - 120

Pre-treatment:

- Padding (wet pick up ca. 60-70%)
- Dry (not over 110 °C)
- Ink-jet printing / Curing at 165 °C for 2-3 min.

Post-treatment:

- Padding (wet pick up ca. 60-70%)
- Curing at 165 °C for 2-3 min.

Lamberti in the World

EUROPE

Italy

Gallarate
(Headquarters &
Commercial Offices)

Albizzate
(Main production facilities,
Technological research center)

Fiorano Modenese
Nerviano
Rezzato
Trissino
Viguzzolo
Zanica

France

Liergues

Germany

Bammental

Poland

Tomaszów Mazowiecki

Russia

Moscow

Spain

Onda (Castellón)

Turkey

Istanbul

AFRICA

South Africa

Westmead

ASIA

China

Hong Kong
Shanghai

India

Rajkot

Indonesia

Bekasi

South Korea

Gunpo
Seoul

United Arab Emirates

Dubai

AMERICAS

Argentina

Buenos Aires

Brazil

Nova Odessa

Canada

Red Deer

Colombia

Bogotá

Mexico

Querétaro

United States

Chattanooga
Conroe
Conshohocken
Hungerford
Waukegan

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