

DIGITAL PRINTING

Reactive Inks

NOVACRON® MI / XKS / HV

Ink type : Reactive inks for digital printing

Fiber : Cellulose and Silk

Application : Digital printing on plotters and industrial machines

NOVACRON® inks deliver deep colors in the complete gamut of shades for the fashion and apparel segments.

NOVACRON® MI

NOVACRON® Yellow MI-100

NOVACRON® Golden Yellow MI-200

NOVACRON® Orange MI-300

NOVACRON® Red MI-400

NOVACRON® Red MI-500

NOVACRON® Light Red MI-502

NOVACRON® Blue MI-600

NOVACRON® Turquoise MI-700

NOVACRON® Grey MI-800

NOVACRON® Deep Black MI-2000

NOVACRON® XKS

NOVACRON® Yellow XKS 102

NOVACRON® Golden Yellow XKS 203

NOVACRON® Orange XKS 301

NOVACRON® XKS 302

NOVACRON® Red XKS-402

NOVACRON® Red XKS-403

NOVACRON® Magenta XKS 501

NOVACRON® Blue XKS 601

NOVACRON® Turquoise XKS-701

NOVACRON® Turquoise XKS-702

NOVACRON® Grey XKS-801

NOVACRON® Deep Black XKS-2001

NOVACRON® HV

NOVACRON® Yellow HV-100

NOVACRON® Orange HV-300

NOVACRON® Red HV-400

NOVACRON® Magenta HV-500

NOVACRON® Light Magenta HV-550

NOVACRON® Blue HV-600

NOVACRON® Turquoise HV-700

NOVACRON® Light Turquoise HV-750

NOVACRON® Grey HV-800

NOVACRON® Deep Black HV-2000

ERIOFAST® XKS

Ink type : Reactive inks for digital printing

Fiber : Cellulose and Silk

Application : Digital printing on plotters and industrial machines

ERIOFAST® inks are designed to produce brilliant colors in the fashion and sportswear segments. They offer good wetfastness and good lightfastness.

ERIOFAST® Yellow XKS 100

ERIOFAST® Golden Yellow XKS-203

ERIOFAST® Orange XKS-300

ERIOFAST® Cyan XKS 700

ERIOFAST® Cyan XKS 702

ERIOFAST® Black XKS 1001

ERIOFAST® Red XKS 400
ERIOFAST® Magenta XKS 500
ERIOFAST® Blue XKS 600

ERIOFAST® Deep Black XKS 2000
ERIOFAST® Super Black XKS 3000

Pigment Inks

LYOSPERSE® GP

Ink type : Reactive inks for digital printing

Fiber : All substrates

Application : Digital printing on plotters

LYOSPERSE® GP inks are designed to deliver high lightfastness on universal substrates. They offer easy processing and low start-up costs.

LYOSPERSE® Yellow GP-100
LYOSPERSE® Orange GP-200
LYOSPERSE® Red GP-300
LYOSPERSE® Magenta GP-400

LYOSPERSE® Cyan GP-500
LYOSPERSE® Green GP-600
LYOSPERSE® Royal Blue GP-700
LYOSPERSE® Black GP-900

POLYESTER

Disperse Inks

TERASIL® DI HL / XKS

Ink type : Disperse inks for digital printing

Fiber : Polyester

Application : Digital printing on plotters and industrial machines

TERASIL® DI HL / XKS inks are designed to produce bright and deep colors in the complete gamut of shades for the home textiles and outdoor segments. They offer high lightfastness and meet automotive-fastness standards.

TERASIL® DI HL

TERASIL® Yellow DI HL-5100
TERASIL® Bright Yellow DI-5110
TERASIL® Golden Yellow DI-5120
TERASIL® Pink DI HL-5300
TERASIL® Violet DI HL-5400

TERASIL® Blue DI HL-5500
TERASIL® Grey DI HL-5700
TERASIL® Black DI HL-5800
TERASIL® Jet Black DI-W 1000

TERASIL® XKS

TERASIL® Bright Yellow XKS 100
TERASIL® Yellow XKS HL 110
TERASIL® Golden Yellow XKS 150
TERASIL® Scarlet XKS HL 190

TERASIL® Blue XKS HL 450
TERASIL® Violet XKS 500
TERASIL® Violet Blue XKS 600
TERASIL® Grey XKS 700

TERASIL® Red XKS 250

TERASIL® Magenta XKS 300

TERASIL® Cyan XKS 400

NOVACRON®HV

Ink type : Reactive inks for digital printing

Fiber : Cellulose and Silk

Application : Digital printing on plotters and industrial machines

NOVACRON® inks are designed to produce deep colors in the complete gamut of shades for the fashion and apparel segments.

NOVACRON® Yellow HV-100

NOVACRON® Orange HV-300

NOVACRON® Red HV-400

NOVACRON® Magenta HV-500

NOVACRON® Light Magenta HV-550

TERASIL®TS

Ink type : Reactive inks for digital printing

Fiber : Polyester

Application : Transfer printing on plotters

TERASIL® TS inks are sublimation inks for transfer printing.

TERASIL® Yellow TS-4100

TERASIL® Orange TS-4200

TERASIL® Brite Magenta 300

TERASIL® Magenta TS-4301

TERASIL® Dark Blue XKS 900

TERASIL® Jet Black XKS 1000

TERASIL® Jet Black XKS HL 2000

NOVACRON® Blue HV-600

NOVACRON® Turquoise HV-700

NOVACRON® Light Turquoise HV-750

NOVACRON® Grey HV-800

NOVACRON® Deep Black HV-2000

TERASIL® Cyan TS-4501

TERASIL® Brite Black 600

TERASIL® Super Black TS-4801

TERASIL® Blue TS-4400

Pigment Inks for polyester

LYOSPERSE® GP

Ink type : Reactive inks for digital printing

Fiber : All substrates

Application : Digital printing on plotters

LYOSPERSE® GP inks are designed to deliver high lightfastness on universal substrates. They offer easy processing and low start-up costs.

WOOL

Acid / Metal Complex Inks

LANASET® SI HS / RAC / XKS

Ink type : Acid/Metal Complex inks for digital printing

Fiber : Polyamide, Wool and Silk

Application : Digital printing on plotters and industrial machines

LANASET® inks are designed to produce bright and deep colors in the complete gamut of shades for the fashion and apparel segments. They offer good wetfastness and good lightfastness.

Pigment Inks

LYOSPERSE® GP

Ink type : Pigment inks for digital printing

Fiber : All substrates

Application : Digital printing on plotters

LYOSPERSE® GP inks are designed to deliver high lightfastness on universal substrates. They offer easy processing and low start-up costs.

SILK

Acid / Metal Complex Inks

LANASET® SI HS / RAC / XKS

Ink type : Acid/Metal Complex inks for digital printing

Fiber : Polyamide, Wool and Silk

Application : Digital printing on plotters and industrial machines

LANASET® inks are designed to produce bright and deep colors in the complete gamut of shades for the fashion and apparel segments. They offer good wetfastness and good lightfastness.

LANASET® SI HS

LANASET® Yellow SI HS-5100

LANASET® Flavine SI HS-5110

LANASET® Orange SI HS-5150

LANASET® Red SI HS-5200

LANASET® Red SI HS-5240

LANASET® Red SI HS-5300

LANASET® Magenta SI-HS 5360

LANASET® Rhodamine SI HS-5370

LANASET® Blue SI HS 5450

LANASET® Turquoise SI HS-5500

LANASET® Cyan SI-HS 5560

LANASET® Grey SI HS-5600

LANASET® Black SI HS-5700

LANASET® RAC

LANASET® Yellow RAC 100

LANASET® Orange RAC 150

LANASET® Red RAC 250

LANASET® Red RAC 300

LANASET® Light Red RAC-350

LANASET® Blue RAC 450

LANASET® Blue RAC 460

LANASET® Turquoise RAC 500

LANASET® Light Turquoise RAC-550

LANASET® Cyan RAC 560

LANASET® Grey RAC 600

LANASET® Black RAC 700

LANASET® XKS

LANASET® Yellow XKS-100

LANASET® Flavine XKS-110

LANASET® Orange XKS-150

LANASET® Red XKS-200

LANASET® Red XKS-300

LANASET® Magenta XKS-360

LANASET® Rhodamine XKS-370

LANASET® Blue XKS-450

LANASET® Turquoise XKS-500

LANASET® Black XKS-700

LANASET® Grey XKS-600

Pigment Inks

LYOSPERSE® GP

Ink type : Pigment inks for digital printing

Fiber : All substrates

Application : Digital printing on plotters

LYOSPERSE® GP inks are designed to deliver high lightfastness on universal substrates. They offer easy processing and low start-up costs.

LYOSPERSE® Yellow GP-100

LYOSPERSE® Orange GP-200

LYOSPERSE® Red GP-300

LYOSPERSE® Magenta GP-400

LYOSPERSE® Cyan GP-500

LYOSPERSE® Green GP-600

LYOSPERSE® Royal Blue GP-700

LYOSPERSE® Black GP-900

Inkjet Auxiliaries

Inks Diluents

INK DILUENT AR-HV

INK DILUENT AR

Formulated for individual ink ranges designed to make "light" inks. They can also be used for jetting direct to fabric to improve ink penetration.

Equipment Cleaners

The CLEANJET range of cleaning fluids remove and flush out dye particles or dried inks trapped in printing head nozzles, helping to improve inkjet printer set up.

The range includes:

- CLEANJET CS
- CLEANJET XKS
- CLEANJET TERASIL® BRITE
- CLEANJET TERASIL® BRITE

Fabric Preparation Agents

THERMACOL® MP

THERMACOL[®] MP is used to pretreat fabrics prior to printing to improve levelness of print, color depth, brightness and penetration.

Dyeing Auxiliaries

Cellulosics

Used in pretreating fabrics prior to printing to enhance levelness of print, color depth, brightness and penetration.

Penetration Accelerants

ALBAFLOW®

Leveling/Retarding Agents, Dispersants and Dyebath Conditioners

INVALON®, ALBATEX®

Lubricants

ALBAFLUID®

Precipitant Inhibitors

ALBEGAL®

Reserving Agent for Blends

ERIONAL®

Reduction Inhibitors

ALBATEX®, LYOPRINT®

Padding Agent / Dyeing

THERMACOL®

Soaping / After-Cleaning Agents

ALBATEX®, ERIOPON®

Equipment Cleaning Agents

INVALON®

Fixatives

ALBAFIX®

Polyester

Used in pretreating fabrics prior to printing to enhance levelness of print, color depth, brightness and penetration.

Penetration Accelerants

ALBAFLOW®

Leveling / Retarding Agents, Dispersants and Dyebath Conditioners

INVALON®, ALBATEX®

Lubricants

ALBAFLUID®

Process Optimizing Agents

ALBATEX®

Precipitant Inhibitors

ALBEGAL®

Reserving Agent for Blends

ERIONAL®

Reduction Inhibitors

ALBATEX®

Polyamide

Used in pretreating fabrics prior to printing to enhance levelness of print, color depth, brightness and penetration.

Penetration Accelerants

ALBAFLOW®

Leveling / Retarding Agents, Dispersants and Dyebath Conditioners

INVALON®, ALBATEX®

Lubricants

ALBAFLUID®

Process Optimizing Agents

ALBATEX®

Precipitant Inhibitors

ALBEGAL®

Reserving Agent for Blends

ERIONAL®

Reduction Inhibitors

ALBATEX®, LYOPRINT®

Wool

Used in pretreating fabrics prior to printing to enhance levelness of print, color depth, brightness and penetration.

Penetration Accelerants

ALBAFLOW®

Leveling / Retarding Agents, Dispersants and Dyebath Conditioners

INVALON®, ALBATEX®

Lubricants

ALBAFLUID®

Process Optimizing Agents

ALBATEX®

Precipitant Inhibitors

ALBEGAL®

Reserving Agent for Blends

ERIONAL®

Soaping / After-Cleaning Agents

ERIONAL®, INVALON®, TINEGAL®

DYES CELLULOSE

Reactive dyes for Exhaust Processes

AVITERA® SE

Dye type	: Reactive dyes (60°C exhaust dyeing)
Fiber	: Cellulose, viscose and other blends with cellulose
Application	: Exhaust for yarn, piece, knitted fabric, woven fabric

AVITERA® SE are revolutionary new poly-reactive dyes for exhaust application on cellulosic fibers. They offer a high performance range for medium and dark shades, a high fixation rate and a much shorter washing-off cycle. They exhibit good performance in washing fastness at 60°C, chlorine fastness and repeated washing and good shade reproducibility from bulk to bulk. Right-first-time dyeing reduces waste and achieves significant cost savings.

With ultra-short dyeing and washing-off cycles, AVITERA® SE dyes dramatically reduce water consumption, save energy and other natural resources, cut carbon dioxide emissions and ensure cleaner production. In short, they save time and substantial amounts of money while setting new standards for environmental sustainability and achieving top-quality results in the shortest time.

NOVACRON® LS

Dye type	: Reactive dyes (70°C exhaust dyeing)
Fiber	: Cellulose, viscose and other blends with cellulose
Application	: Exhaust for yarn, piece, knitted fabric, woven fabric

NOVACRON® LS dyes are innovative bi-reactive dyes that require only 25% the salt of conventional reactive dyes. They have very strong build-up and high fixation, resulting in outstanding reproducibility and less pollution. They can be applied using one-bath dyeing on polyester/cellulose (PES/CEL) blends, saving dyeing time. They are non-sensitive to liquor ratio (LR), and can be used in high-LR dyeing, and offer good all-round fastness.

NOVACRON® FN

Dye type	: Reactive dyes (60°C exhaust dyeing)
Fiber	: Cellulose, viscose, and other blends with cellulose
Application	: Exhaust for yarn, piece, knitted fabric, woven fabric

NOVACRON® FN dyes have very high solubility, good diffusion and levelness, and high fixation. They are suitable for short-LR dyeing, with outstanding compatibility, excellent reproducibility, easy washing-off and good all-round fastness. The flagship Red FN-2BL in particular has excellent lightfastness and perspiration-lightfastness, even on pale shades.

NOVACRON® S

Dye type	: Reactive dyes (high reactivity; 60°C exhaust dyeing)
Fiber	: Cellulose, viscose and other blends with cellulose
Application	: Exhaust for yarn, piece, knitted fabric, woven fabric; suitable for continuous dyeing and cold pad batch dyeing of dark shades

NOVACRON® S is a reactive dye range developed for medium-to-dark shades. It exhibits outstanding build-up and can achieve very dark shades. Its Brown, Bordeaux and Black formulations deliver substantial cost

advantages. The range also provides top reproducibility and easy washing-off to meet today's quality requirements.

NOVACRON® TS

Dye type	: Reactive dyes (60°C exhaust dyeing)
Fiber	: Cellulose, viscose and other blends with cellulose
Application	: Exhaust for yarn, piece, knitted fabric, woven fabric; suitable for continuous dyeing and cold pad batch dyeing

Optimizing cost while fulfilling market demand for fastness, NOVACRON® TS is recommended for medium to dark shades. These dyes offer consistent levelness and repeatable results and help maximize plant efficiency and productivity.

NOVACRON® W

Dye type	: Reactive dyes (high reactivity; 60°C exhaust dyeing)
Fiber	: Cellulose, viscose and other blends with cellulose
Application	: Exhaust for yarn, piece, knitted fabric, woven fabric; suitable for continuous dyeing and cold pad batch dyeing of dark shades

NOVACRON® W is a reactive dye range developed for medium-to-dark shades. It exhibits outstanding build-up and can achieve very dark shades. Its Brown, Bordeaux and Black formulations deliver substantial cost advantages. The range also provides top reproducibility and easy washing-off to meet today's quality requirements.

Reactive dyes for Continuous Processes

NOVACRON® C

Dye type	: Bi-reactive dyes (high reactivity, low-to-medium substantivity)
Fiber	: Cellulose and its woven fabric blends
Application	: Continuous dyeing and cold pad batch dyeing

NOVACRON® C are bi-reactive dyes that can form covalent bonds with cellulosic fibers in alkaline conditions. Their benefits include a high fixation rate, high reproducibility, fewer water effluent treatment problems and good fastness performance.

NOVACRON® S

Dye type	: Reactive dyes (high reactivity; 60°C exhaust dyeing)
Fiber	: Cellulose, viscose and other blends with cellulose
Application	: Exhaust for yarn, piece, knitted fabric, woven fabric; suitable for continuous dyeing and cold pad batch dyeing of dark shades

NOVACRON® S is a reactive dye range developed for medium to dark shades. It exhibits outstanding build-up and can achieve very dark shades, including Brown, Bordeaux and Black. The range provides top reproducibility and easy washing-off to meet today's quality requirements.

NOVACRON® TS

Dye type	: Reactive dyes (60°C exhaust dyeing)
Fiber	: Cellulose, viscose and other blends with cellulose
Application	: Exhaust for yarn, piece, knitted fabric, woven fabric; suitable for continuous dyeing and cold

pad batch dyeing

Optimizing cost while fulfilling market demand for fastness, NOVACRON® TS is recommended for medium to dark shades. These dyes offer consistent levelness and repeatable results and help maximize plant efficiency and productivity.

Reactive dyes for Printing Processes

NOVACRON® P, NOVACRON® P Liq.

Dye type : Reactive dyes (low affinity; printing)
Fiber : Cellulose and blends
Application : Printing for knitted fabric, woven fabric

The NOVACRON® P dyes have low affinity and very good washing-off characteristics, resulting in reduced back staining.

Vat Dyes

NOVASOL®

Dye type : Reactive dyes (low affinity; printing)
Fiber : Cellulose and blends
Application : Printing for knitted fabric, woven fabric

NOVASOL® dyes can be applied by exhaust and padding methods in the complete gamut of shades. They provide good all-round wetfastness, outstanding lightfastness and chlorine-fastness and even excellent dead cotton coverage.

Direct Dyes

SOLOPHENYL®

Dye type : Direct dyes (60°C exhaust dyeing)
Fiber : Cellulose, PES/CEL, WO/CEL, PAN/CEL, viscose and other blends
Application : Exhaust for yarn, piece, woven fabric

SOLOPHENYL® dyes are suitable for dyeing pale to medium shades. They offer a robust dyeing system and a complete and economical shade gamut.

SOLOPHENYL® dyes provide superior all-round fastness, good lightfastness and good wetfastness, which can be further improved with ALBAFIX® ECO or ALBAFIX® FRD.

Furthermore, some of SOLOPHENYL® dyes can achieve the wetfastness of reactive dyes with ALBAFIX® E fixation.

DYES POLYAMIDE

Acid Dyes

TECTILON®

Dye type : Acid leveling dyes

TECTILON® range of acid leveling dyes are designed for pale-to-medium depth on polyamide (PA). These low-molecular, mono-sulfonated acid dyes deliver the highest light fastness, even for very pale shades. They also offer outstanding migration, compatibility and excellent leveling properties, along with very good coverage of physical affinity differences (barriness). TECTILON® is widely used on PA carpet, but it is also ideal for pale pantyhose and lingerie.

ERIONYL® A

Dye type : Half-milling acid dyes (except Black and Turquoise)

ERIONYL® A are mono-sulfonated and di-sulfonated acid dyes with medium-to-good migration and leveling properties. The trichromatic elements cover a broad shade spectrum and the range contains additional dyes for brilliant fashion shades. They show good build up on different types of polyamide fibers and have good wetfastness properties up to medium shades; deep shades require after-treatment with ERIONAL FRN. Good coverage of physical barriness is obtained when combined with UNIVADINE® MC.

ERIONYL® B

Dye type : Acid milling dyes

ERIONYL® B are di-sulfonated acid dyes for very bright and brilliant shades with good wetfastness and lightfastness properties. They are mainly used individually for brilliant self-shades, rather than as trichromatic elements.

Metal Complex Dyes

LANACRON® N

Dye type : Non-sulfonated 1:2 metal complex dyes

The LANACRON® N range contains selected specialties with very high lightfastness for polyamide automotive requirements together with UV-FAST N2 / N3. A number of LANACRON N dyes show excellent leveling and migration properties and are ideal for very pale pantyhose and lingerie shades when washfastness is required.

LANACRON® S

Dye type : Mono-sulfonated 1:2 metal complex dyes

LANACRON® S dyes are used primarily for shades based on specific dyes; they are less recommended as a trichromatic concept. Their high yield results in economic recipes even for deep shades.

Intelligent Mixtures

LANASET®

Dye type : Intelligent mixtures based on 1:2 metal complex, acid and reactive dyes

The LANASET[®] dyes are a well-balanced range of 15 products covering a huge color space. On polyamide (PA), they show excellent build-up, particularly on microfibers, and cover a much wider shade area compared to conventional metal-complex dyes. The lightfastness properties of LANASET are excellent, and high wetfastness can also be achieved, in many cases, without additional after-treatment.

LANASET[®] PA

Dye type : Intelligent mixtures based on 1:2 metal complex, acid and reactive dyes

An economic extension to the classical LANASET dyes, LANASET[®] PA was designed especially for polyamide (PA) dyeing. They exhibit very good build-up on different types of PA, high lightfastness at all shade depths, high wetfastness properties (including in deep shades) and outstanding fastness to chlorinated swimming-pool water. LANASET PA dyes can be combined with classical LANASET dyes as required for specific shades.

LANASET[®] CDP

Dye type : 1:2 metal complex dyes

LANASET[®] CDP are a new range of highly concentrated dyes for jet printing on polyamide (PA) carpet. Custom designed to give high reproducibility and to significantly reduce dye and thickener usage, they lower processing costs and result in less Biochemical Oxygen Demand (BOD) and Chemical Oxygen Demand (COD).

Reactive Dyes

ERIOFAST[®]

Dye type : Metal-free (except Navy M and Black M) acid reactive dyes

The ERIOFAST[®] dye range was especially developed for dyeing intense brilliant shades with highest wetfastness properties on polyamide/elastane (PA/EL) fiber blends, whenever conventional dyes show limitations in build-up and fastness (such as microfiber).

Selected products in the range have high light fastness properties and achieve outstanding light fastness levels even in highly brilliant shades. The perfectly compatible dyes enable the highest requirements to be met on all PA textiles, especially in bright intensive shade areas and for black shades. The innovative, patented "ERIOFAST-micro" exhaust dyeing process allows deep shades to be achieved, including on full-dull micro-denier PA, with outstanding washfastness (color blocking) even at the highest temperatures encountered in home and industrial laundering

DYES POLYESTER

Classical Disperse Dyes

TERASIL®

Dye type : Disperse dyes

The TERASIL® range consists of popular Colour Index (CI) products and their intelligent mixtures.

TERASIL® FF

Dye type : Disperse dyes

TERASIL® FF offers high-visibility colors for workwear, sportswear, etc.

TERASIL® SD

Dye type : Disperse dyes

The TERASIL® SD range consists of medium-energy dyes with excellent compatibility, outstanding reproducibility and low cost. They may be applied for rapid dyeing and sensitive colors (such as gray, brown and olive shades). Combined with Huntsman Textile Effects pretreatment and acid reduction agents, TERASIL® SD may be utilized in the "Quick PES dyeing system" to deliver good washfastness while saving time, water and energy and improving productivity.

TERASIL® P Liq.

Dye type : Disperse dyes

The liquid form of the TERASIL® disperse dyes can be applied for printing and exhaustion dyeing.

Disperse Dyes for PET Carpet

TERASIL® C

Dye type : Disperse dyes

The TERASIL® C range of trichromatic dyes for pale shades offers excellent compatibility, good dyed fabric appearance and high color strength. These dyes are also cost effective. They are well suited to achieving the most severe requirements for lightfastness on microfiber fabric and are thus extensively used for outdoor and home textiles.

Lightfast Disperse Dyes

TERASIL® LF

Dye type : Disperse dyes

The TERASIL® LF dyes exhibit high lightfastness, reasonable cost and outstanding build-up on polyester (PES) and micro-polyester. They are suitable for sportswear, curtains, outdoor textiles and home textiles.

Washfast Disperse Dyes

TERASIL® W

Dye type : Disperse dyes

The first-generation TERASIL[®] W washfast dyes are high-energy chromophore-modified dyes that promote washfastness and ensure that dye staining on elastane (EL) is easily cleared. They provide excellent ISO 60°C washfastness and good AATCC 49°C washfastness.

TERASIL[®] WW

Dye type : Disperse dyes

The second-generation TERASIL[®] WW washfast dyes are high-energy chromophore-modified dyes that provide the best wetfastness performance in today's market. They deliver excellent performance at ISO 60°C and AATCC 49°C.

TERASIL[®] W-EL

Dye type : Disperse dyes

The 1.5-generation TERASIL[®] W-EL washfast dyes are high-energy chromophore-modified dyes especially developed for polyester/elastane (PES/EL) with high fastness requirements. They offer outstanding build-up and exhaustion at 125°C and good washfastness. Dye staining on EL is easily cleared.

Disperse Dyes for Automotive

TERATOP[®]

Dye type : Disperse dyes

TERATOP[®] are conventional Colour Index (CI) dyes and some intelligent mixtures for automotive dyeing applications and outdoor textiles with high lightfastness.

TERATOP[®] NF

Dye type : Disperse dyes

TERATOP[®] NF are trichromatic dyes for automotive dyeing applications and outdoor textiles with high light fastness. On-tone fading on lightfastness and on-tone exhaustion can be expected.

TERATOP[®] HL

Dye type : Disperse dyes

The TERATOP[®] HL range was developed specially for dyeing automotive fabric with very high lightfastness requirements. As microfiber gains in popularity, it is also being applied for home and outdoor textiles with high lightfastness requirements, such as sun umbrellas.

TERATOP[®] HLA

Dye type : Disperse dyes

TERATOP[®] HLA is an automotive dye range for GM Arizona test specifications.

DYES SILK

Acid Dyes

ERIONYL® A

Dye type : Half-milling acid dyes (except Black and Turquoise)

ERIONYL® A are mono-sulfonated and di-sulfonated acid dyes with medium-to-good migration and leveling properties. On silk (SE), these dyes are noted for high shade intensity and are used mainly for bright shades where LANASET® have limitations.

Silk is mainly dyed neutral (weakly alkaline to very-weakly acid) for maximum leveling. Lower pH promotes exhaustion but increases the risk of unlevelness, so it is restricted to deeper shades. When dyeing in the alkaline-to-neutral condition, exhaustion of the bath can be improved by gradual addition of salt towards the end of dyeing. Initial absorption of dye is very rapid so the "first strike" must be controlled by starting at low temperature, 20°C – 30°C, and using an effective leveling agent. ALBAFIX® ECO (cationic fixing agent) can be used as an after-treatment to improve wetfastness.

ERIONYL® B

Dye type : Acid milling dyes

ERIONYL® B are di-sulfonated acid dyes for very bright and brilliant shades with good wetfastness and lightfastness properties. They are mainly used individually for brilliant self-shades, rather than as trichromatic elements. The dyeing procedure is the same as for ERIONYL® A dyes, with after-treatment with ALBAFIX® ECO used to improve wetfastness.

1:2 Metal Complex Dyes

LANACRON® N

Dye type : Non-sulfonated 1:2 metal complex dyes

On silk (SE), LANACRON® N is mainly used for dull shades.

Intelligent Mixtures

LANASET®

Dye type : Intelligent mixtures based on 1:2 metal complex, acid and reactive dyes

LANASET® is a well-balanced range, consisting of 15 products covering a huge color space. It is our main recommendation for silk dyeing.

Reactive Dyes

LANASOL®, LANASOL® CE

Dye type : Wool reactive dyes

For highest wetfastness and bright colors on silk, the LANASOL® range is recommended. These dyes are also useful for dyeing dischargeable ground shades for printing. Dyeing is started under neutral conditions and finished mildly alkaline to promote

Acrylic and Other Cationic Dyeable Fibers

MAXILON[®], MAXILON[®] LIQ.

Dye type : Cationic dyes

MAXILON[®] dyes satisfy the market requirements of polyacrylonitrile fiber and other cationic dyeable (CD) fibers such as CD-polyester (CD-PES), modacrylic (MOD) and meta-aramid fibers. MAXILON[®] dyes have a good exhaustion rate and high build-up and offer bright colors with good lightfastness and wetfastness. Their main application is in exhaust dyeing of yarn and piece material as well as printing.

DYES WOOL

Acid Dyes

TECTILON®

Dye type : Acid leveling dyes

The TECTILON® range of acid leveling dyes are designed for pale-to-medium depth on sheep's wool (WO).

These low-molecular, mono-sulfonated acid dyes deliver the highest light fastness, even for very pale shades.

They also offer outstanding migration, compatibility and excellent leveling properties.

TECTILON® is widely used for pale shades in piece dyeing and, with NEOLAN P, for bright pale shades. It is also a problem solver for yarn package dyeing. On wool, TECTILON® is applied from a strong acid bath (formic acid).

The dyes show a relatively rapid exhaustion but have excellent migration and leveling properties at the boil.

ERIONYL® A

Dye type : Half-milling acid dyes (except Black and Turquoise)

ERIONYL® A are mono-sulfonated and di-sulfonated acid dyes with medium-to-good migration and leveling properties. On wool, these dyes are noted for high shade intensity and are used mainly for bright shades where

NEOLAN® P and LANASET® have limitations. They are applied on wool from a weak acid bath. For good leveling, ALBEGAL® A is recommended.

ERIONYL® B

Dye type : Acid milling dyes

ERIONYL® B are di-sulfonated acid dyes for very bright and brilliant shades with good wetfastness and

lightfastness properties. They are mainly used individually for brilliant self-shades, rather than as trichromatic elements. The dyeing procedure is the same as for ERIONYL® A dyes.

1:1 Metal Complex Dyes

NEOLAN® P

Dye type : Modified 1:1 metal complex dyes

NEOLAN® P is a wool dyeing system that offers significant benefits compared to conventional 1:1 metal complex dyes. ALBEGAL® PLUS and NEOLAN® P dyes form a specific chemical complex that allows dyeing to be performed at all shade depths at pH 3.5, ensuring minimal damage on wool. NEOLAN® P is particularly suitable for lightweight wool fabric piece dyeing ("cool wool") with best physical performance. Together with MAXILON®, it provides a unique concept for wool/acrylic (WO/PAN) yarn dyeing.

1:2 Metal Complex Dyes

LANACRON® N

Dye type : Non-sulfonated 1:2 metal complex dyes

The LANACRON® N range is comprised of selected specialties which demonstrate very high lightfastness for wool when combined with UV-FAST W. Ideal for automotive requirements, LANACRON® N dyes show excellent leveling properties through a steady, uniform exhaustion rate and outstanding fiber coverage. Their general fastness properties fulfill high requirements for both processing and end-use fastness.

LANACRON® S

Dye type : Mono-sulfonated 1:2 metal complex dyes (neutral dyes)

Fiber : Wool, silk, polyamide and its blends

Application : Loose stock, slubbing, yarn, carpet yarns, fabric

LANACRON® S dyes work in slightly acidic conditions for high build-up and good leveling properties. They are suitable when high lightfastness and washfastness are required.

Intelligent Mixtures

LANASET®

Dye type : Intelligent mixtures based on 1:2 metal complex, acid and reactive dyes

Providing the ultimate wool protecting system, the LANASET® system comprises:

A well-balanced range, consisting of 15 dyes, LANASET® is the industry's most successful wool dyeing system, offering excellent repeatability and fastness properties. The range covers a much wider shade spectrum than conventional metal complex dyes.

Reactive Dyes

LANASOL®

Dye type : Wool reactive dyes

LANASOL® dyes contain α -bromoacrylamide reactive groups that react with the amino groups of wool fiber and provide excellent wetfastness to meet the machine-washable wool requirements of the Australian Wool Innovation (AWI) Woolmark standard.

LANASOL® dyes have good leveling properties when used with ALBEGAL® B in slightly acidic conditions. A wide shade range can be covered with the trichromatic dyes LANASOL® Yellow 4G, Red 6G and Blue 3G. These dyes have excellent lightfastness (even for pale shades) and very good fiber levelness.

Major applications include yarn dyeing (package and hanks), particularly in the chlorine-Hercosett process for machine-washable wool, loose stock and top dyeing.

LANASOL® CE

Dye type : Wool reactive dyes

LANASOL® CE dyes are especially designed to achieve economical deep shades with highest wetfastness. They are ideal to replace chrome dyes. LANASOL® Yellow CE or Golden Yellow CE-01, Red CE and Blue CE are recommended for tri-chromatic dyeing of deep shades. A variety of LANASOL® Black CE dyes replaces chrome dyes with better fiber preservation and similar shades and fastness. With MIRALAN® LTD, even black shades can be dyed at 90°C.

Finishing

Antimicrobials

HeiQ PURE TF

HeiQ PURE TF is a high performance technology that harnesses the antimicrobial power of silver to achieve odor reduction efficiency while enhancing garment comfort and textile durability. Garments treated with HeiQ PURE TF qualify to carry the PURE by HeiQ label or the High IQ® Active Freshness label.

[Click here to learn more about High IQ® »](#)

Antistatic Agents

ZEROSTAT®

Developed to reduce fabric processing problems, ZEROSTAT® antistatic agents lessens static load, which also reduces static cling during display and wearing of garments. This helps improve wearer comfort.

Anti-slipping Agents

FORNAX®

FORNAX® anti-slipping agents improve seam resistance and thread slippage of woven fabrics to help maximize fabric and garment life.

Bio-Polishing Agents

INVAZYME®

INVAZYME® biopolishing with enzymes removes fuzz and pills from cotton and cellulosic fabric surfaces. This not only gives the material a clean look and new appearance, but also provides an excellent soft handle with improved drapability.

Coating Dispersion Agents

DICRYLAN® A, DICRYLAN® B, DICRYLAN® S, DICRYLAN® TA, DICRYLAN® FR, DICRYLAN® M, DICRYLAN® V, DICRYLAN® FOAMER, DICRYLAN® STABILIZER, DICRYLAN® THICKENER

The DICRYLAN® range of water-based polymer dispersions, thickeners and additives for all kinds of coatings meets the high standards required of technical and home textiles. Depending on requirements, the chemical base can range from acrylate to vinyl acetate or polyurethane binders, with paste and foam applications possible. Dispersions are available in differing hardness degree, flexibility, crosslinking, solids content and a series of further physical properties.

Easy-Care Finishes

DICRYLAN®, KNITTEX®

Range of products that provide the highest wearer comfort, easy-care and garment lifetime, achieved with the use of high-end crosslinking agents and advanced polymer additives. Qualifies for the High IQ® Easy Care Plus label.

[Click here to learn more about High IQ® »](#)

Freshness on Demand

INVASAN®, HeiQ PURE TF

Bioactive technologies which prevent the growth of microorganisms on textiles. Reduces the malodor formation in textiles. Excellent antimicrobial efficacy at low concentration and durable. Qualifies for the High IQ® Active Freshness and Freshness on Demand label.

INVASAN®

Non-bioactive novel technologies that reduce the formation of malodor in textiles with excellent wash durability. Qualifies for the High IQ® Freshness on Demand label.

[Click here to learn more about High IQ® »](#)

Flame Retardants

FLOVAN®, PYROVATIM®

Developed for all fibers, FLOVAN® and PYROVATIM® are non-durable and semi-durable flame retardants for high-performance functional textiles.

PYROVATEX®

Developed for cotton and cotton-rich blends, PYROVATEX® is a durable flame retardant for high-performance functional textiles.

Moisture Management Agents

ULTRAPHIL®

Used for a variety of hydrophilic finishes for nonwoven materials, ULTRAPHIL® moisture management agents offer distinct fluid management, particularly on cotton, synthetic fibers and their blends. Highly durable and with exceptional functional and hydrophilic performance, including immediate moisture management qualities to provide a gentle and soft garment feel. Textiles treated with ULTRAPHIL® qualify to carry the High IQ® Cool Comfort label.

[Click here to learn more about High IQ® Cool Comfort »](#)

New Effect Technologies

DICRYLAN® SD

DICRYLAN® shade deepening technologies provide never seen before depths of shades without compromise on fastness integrity.

[Click here to learn more about DICRYLAN® shade deepening technologies »](#)

DICRYLAN® LF - EverGlide™

EverGlide™ - low-friction systems. A novel technology providing a significant reduction in fabric-skin friction, particularly suitable for next to skin activewear garments. [Click here to learn more about EverGlide™ low friction systems »](#)

Rain & Stain Management Products

PHOBOL® CP, PHOBOL® NB

Fluorine-based products based on short-chain chemistry providing both water-based and oil-based rain and stain management. Qualifies for Teflon® Fabric Protector and 3XDRIY branding schemes,

PHOBOTEX®

Fluorine-free products providing rain and stain management for water based stains. Qualifies for PHOBOTEX® Hangtag schemes.

PHOBOL®, PHOBOL® NW

Fluorine-based products providing both water and oil based repellency for non-woven applications.

PHOBOL®

Additives for rain and stain management systems to enhance wash durability and performance.

Softening Agents

SAPAMINE®, TURPEX®

Full range of standard softeners providing extremely soft handles with surface smoothness, low yellowing and improvement in physical properties in easy-care finishes.

DICRYLAN®, ULTRATEX®

Silicone softeners used to provide a distinct softening and resilient resistant effect on all fabrics. Mainly used as an additive in easy care finishes. Typically have an extremely smooth and specific soft handle with durability to washing which can also improve the sharp recovery of knits and wovens.

Sun Protection

UV-SUN®

Range of technologies that ensure garments will protect the skin from the sun's harmful rays (UVA and UVB) and provide the consumer with much needed peace of mind. Garments treated with UV-SUN® qualify for High IQ® Sun Protection labeling.

Fluorescent Whitening Agents (FWAs)

Optical brighteners transform UV light into visible short-wave light and thus increase the whiteness of textiles. The UVITEX® range of Fluorescent Whitening Agents (FWAs) for all substrates and application processes offers a complete range of neutral and shaded whiteners with the ability to create local shaded versions and tailor-made white.

Made up of high-affinity disulfonated stilbene derivatives for exhaust, semi-continuous and continuous whitening processes, they provide very high and bright white effects with white shade flexibility.

UVITEX®

Cellulosics Optical brighteners transform UV light into visible short-wave light and thus increase the whiteness of a textile. With the UVITEX® Range we offer optical brighteners for all fibre types, the widest variety of white shades and different requirements. - Stilbene derivatives

- Cellulose whiteners for exhaust, semi-continuous and continuous whitening processes
 - Providing highest and brightest white effects with white shade flexibility.
- Polyamide** Optical brighteners transform UV light into visible short-wave light and thus increase the whiteness of a textile. With the UVITEX® Range we offer optical brighteners for all fibre types, the widest variety of white shades and different requirements. -

Distyryl biphenyl and triazolyl stilben derivatives

- Fluorescent whitening agents for the whitening of Polyamide, Wool and Silk
- Providing highest white effects and best fastness properties

UVITEX® E

Polyester Optical brighteners transform UV light into visible short-wave light and thus increase the whiteness of a textile. With the UVITEX® Range we offer optical brighteners for all fibre types, the widest variety of white shades and different requirements. - Benzoxazol and styryl derivatives

- Polyester whiteners for whitening of Polyester materials in exhaust and pad-bake process
- Providing highest and brightest white effects with white shade flexibility

UVITEX® BAC

Acrylic Optical brighteners transform UV light into visible short-wave light and thus increase the whiteness of a textile. With the UVITEX Range we offer optical brighteners for all fibre types, the widest variety of white shades and different requirements. - Benzimidazole derivatives

- Fluorescent whitening agents for the whitening of Acrylic fibers
- Stable in chlorite bleach and suitable for the Gel-whitening process

Printing Auxiliaries

Thickeners

LYOPRINT® thickeners are used to hold the printing paste in the screen and control the amount of paste that is transferred to the fabric. They allow the paste to level in blotch printing and prevent flushing or bleeding and let the paste penetrate to the required extent. Huntsman Textile Effects provides both synthetic and natural thickeners.

LYOPRINT® DT-CS

LYOPRINT® PT-RV NEW

LYOPRINT® PT-RX

LYOPRINT® PTF NEW

LYOPRINT® PTP

LYOPRINT® PT-XN

LYOPRINT® RD-HT

LYOPRINT® RT-BC

LYOPRINT® ATP-30

Binders

LYOPRINT® binders are used in pigment printing to crosslink and bind pigment particles to the fiber and improve fastness properties.

LYOPRINT® PBA

External Cross-linking Agents

LYOPRINT® cross-linking agents are used in pigment printing to improve fastness properties, especially wetfastness and rub-fastness.

LYOPRINT® PFL

LYOPRINT® LFF

LYOPRINT® PS-LF

Dispersing Agents

LYOPRINT® dispersing agents can eliminate gelling problems associated with poor-quality Carbon Black pigments. They can also be used to prevent problems with high-solids titanium dioxide white pigment pastes.

LYOPRINT® PDN

De-aerating Agents

LYOPRINT® de-aerating agents are used to remove air from print pastes and improve ink penetration in all printing systems.

LYOPRINT® AIR

LYOPRINT® AP

Printing Softeners

LYOPRINT® softeners are added to pigment print paste to lubricate it in the screen and to soften the fabric to give it a soft handle.

LYOPRINT® PSC

Discharge Agents

LYOPRINT® discharge agents are reducing agents that discharge reactive dyed grounds in pigment printing.

LYOPRINT® DA LIQ

Reduction Inhibitors

LYOPRINT® reduction inhibitors protect dyes against shade changes in printing and stable oxidation in vat dyeing, hence achieving excellent dyeing with good reproducibility.

LYOPRINT® RG GR

UV Automotive / Fiber Stabilizer

The UV-FAST® range of UV absorbers are recommended for fabrics that will be face high exposure to light, particularly car upholstery and interior trim fabrics. They offer excellent on-tone fading and reduce photo-degradation. Furthermore, they are outstandingly stable to heat and fast to sublimation. Ideal for exhaustion dyeing for printing and padthermosol, they show high dispersion stability.

UV-FAST® is used in combination with the TERATOP® HL dyes to achieve highest lightfastness.

Polyester

UV Absorbers

UV-FAST® P

UV-FAST® PEX

UV-FAST® HLF NEW

Polyamide

UV Absorbers & Fiber Stabilizers

The STABILON® range of fiber stabilizers protects polyamide fibers against degradation due to light/heat, prevents fiber yellowing and discoloration during processing.

STABILON® AO

STABILON® CT

STABILON® NY

STABILON® NY-C

STABILON® NY-S

UV-FAST® N2

UV-FAST® N3

Wool

UV Absorbers

UV-FAST® W LIQ