



PASSION FOR FASHION KNITS

Best-in-class system solutions for
the exhaust application of cellulose
and polyester/cellulose blends





/ How do we
bring **best-in-**
class expertise,
sustainability
and performance
to **fashion**
knits?

CREATING SUSTAINABLE SOLUTIONS

At Archroma, we continuously challenge the status quo in the deep belief that we can make our industry sustainable.

Archroma is committed to developing innovative products and processes that are safer for the consumer and for the environment. We strongly believe, based on our extensive experience in textile processing, that sustainability can generate innovation, performance and often lead to cost reductions and added value for our customers. For this reason, our clear ambition is to offer our customers the best possible system for their textile segments.

Innovation is a core competence of Archroma, which ensures that our products and services meet future demands, foster future technologies and contribute to a more sustainable textile industry.

As a global leader in color and specialty chemicals with a trusted heritage, we offer bespoke product solution systems and innovations. We strive to be a reliable partner for textile mills as well as major retailers and brands for the whole textile chain – **from the first idea to the final article.**

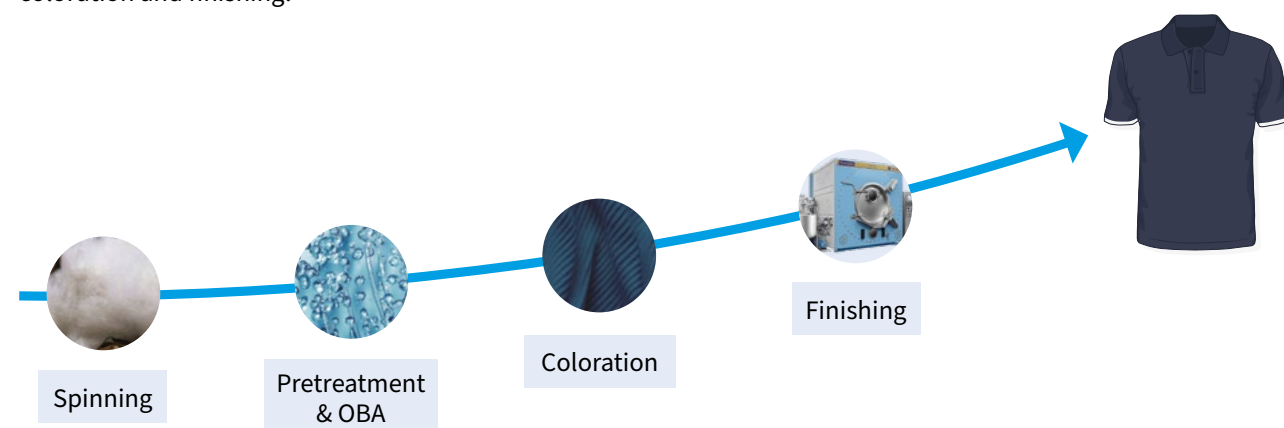
Brand owners and retailers around the world are taking action to evaluate the environmental impact of textile treatment, dyeing and finishing processes in response to consumer concerns. We can support textile manufacturers with this. Our exclusive ONE WAY Process Simulator can be used to simulate and compare products and processes, and thus calculate the ecological and economical profile of the final end-product.

/ ABOUT US

Archroma is a **global color and specialty chemicals** company committed to innovation, world-class quality standards, high service levels, cost-efficiency and sustainability.

From fiber to finish, Archroma plays a key role throughout the entire textile supply chain, with special system solutions for spinning, pretreatment, OBA, coloration and finishing.

At Archroma, **we share your passion for fashion knits**, and we bring our expertise, innovation power and our commitment to sustainability into developing cutting-edge technologies and products to support your needs.



Archroma has specialized Competence Centers bringing to our customers:

- A hub of knowledge, R&D, expertise, technology and creativity support;
- A wide range of testing and consulting services in the **synthetics & wool, cellulosics, printing, finishing & denim segments**;
- A complete system offering thanks to our unique combination of expertise in spinning, pretreatment, coloration, as well as finishing;
- Access to global and regional knowledge and expert network for seamless support in global supply chain management;
- Powerful training centers for our affiliates, partners and customers.

At Archroma, we continuously challenge the status quo in the deep belief that we can make our industry sustainable.

The majority of Archroma's products are certified by some of the most important eco-standards, such as:

• bluesign® • Oeko-Tex® • GOTS • ZDHC • REACH • EU Ecolabel • C2C • RSL • MRSL

/ SPINNING

Flexibility on demand

At the beginning of the textile chain, Archroma's spin finishes provide outstanding processing performance for all kinds of filaments and fibers. We combine our chemistry knowledge and yarn manufacturing experience

to develop our high performance and innovative **spin finishes systems**, aimed at addressing the specific demands of our customers.

Archroma's spinning agents

- Spin finish
Afilan®
- Softeners, lubricants and antistatic agents
Leomin®

/ PRETREATMENT & OBA

A heritage of performance

Pretreatment has always been a core competence in Archroma and our past heritage. We believe that a textile treatment process must be simple, robust and highly reliable.

With Archroma's **pretreatment and optical brightening systems**, you will be able to obtain a perfectly prepared fabric and get the whiteness and the shade that you need, with high fastness levels.

Archroma's pretreatment agents

- Detergents & wetting agents
Imerol® BLUE new liq
Imerol® PCLF liq
Kieralon® F-MFB liq
- Sequestering agents
Lufibrol® MSD liq
- Stabilizers agents
Prestogen® F-PL liq
- Bleach activator
Prestogen® LTB liq
- Enzymes
Bactosol® SAP liq c
Bactosol® CA liq c
Bactosol® CNX liq c
Bactosol® CBS liq
- Neutralizing agents
Sirrix® NE liq

Archroma's optical brightening agents

- OBA for Cellulose
Leucophor® BSB liq (neutral bluish white)
Leucophor® BSBB liq (bluish white)
Leucophor® PC new liq (neutral reddish white)
Leucophor® BMB liq (neutral bluish white)
Leucophor® BMBB liq (bluish white)
Leucophor® BMF liq (neutral reddish white)
- OBA for Polyester
Ultraphor® HF liq (neutral white)
Ultraphor® HFN liq (violet shade)
Ultraphor® ETB liq (neutral bluish)
Ultraphor® ETBN liq (bluish)
Ultraphor® XSR liq (neutral reddish)
Ultraphor® SFR Plus liq (neutral reddish)
Ultraphor® SFN liq (bluish violet)

> Spotlight on **WHITE WATER**, a system for t-shirts that stay white and bright for longer, without wasting a single precious drop

Exhaust dyeing for fashion knits

Archroma is a recognized leader in **integrated solutions for dyeing**. Our portfolio includes systems designed to answer the specific requirements of all types of cellulose, polyester and its blends.

Archroma's dyes for cellulose

Drimaren® Ultimate HD dyes reactive dyes	Drimaren® HF reactive dyes selection
<ul style="list-style-type: none"> High build-up & excellent fastness properties 	<ul style="list-style-type: none"> High light fastness in pastel and earth tone shades
<ul style="list-style-type: none"> Drimaren® Ultimate Yellow HD Drimaren® Ultimate Amber HD Drimaren® Ultimate Crimson HD Drimaren® Ultimate Rubine HD Drimaren® Ultimate Blue HD Drimaren® Ultimate Sapphire HD Drimaren® Ultimate Turquoise HD Drimaren® Ultimate Navy HD Drimaren® Ultimate Night Sky HD Drimaren® Ultimate Black HD 	<ul style="list-style-type: none"> Drimaren® Orange HF-2GL Drimaren® Red HF-6BL Drimaren® Blue HF-RL
Additional elements	Drimaren® K reactive dyes selection
<ul style="list-style-type: none"> Drimaren® Yellow HF-3GL Drimaren® Deep Red HF-4B Drimaren® Navy HF-GN Drimaren® Dark Blue HF-CD 	<ul style="list-style-type: none"> Suitable for brilliant fashion shades
	<ul style="list-style-type: none"> Drimaren® Yellow K-4G Drimaren® Orange K-3R Drimaren® Red K-4BL Drimaren® Red K-8B Drimaren® Violet K-2RL

Indosol® direct dyes for cellulose	Indosol® Yellow SF-2RL	Indosol® Dark Blue GL
<ul style="list-style-type: none"> High temperature stable Highest reproducibility in medium to deep shades and high light fast pale to medium shades 	<ul style="list-style-type: none"> Indosol® Orange 2GL 250 Indosol® Scarlet BL Indosol® Rubinoles SF-RGN Indosol® Blue SF-GL 	<ul style="list-style-type: none"> Indosol® Navy SF-BL Indosol® Grey SF-BL Indosol® Black NF

Archroma's auxiliaries for cellulose

<ul style="list-style-type: none"> Antifoam agent Antimussol® UDF liq 	<ul style="list-style-type: none"> Washing-off agent Cyclanon® XC-W New liq Ladipur® RSK liq 	<ul style="list-style-type: none"> Wet fastness improver Optifix® RSL liq Optifix® EC liq Optifix® F liq Optifix® E50 liq
<ul style="list-style-type: none"> Wetting, deaerating agent Leonil® EHC liq c Primasol® NF liq 	<ul style="list-style-type: none"> Multifunctional product Humectol® C liq hc 	<ul style="list-style-type: none"> Crocking fastness improver Optifix® RUB liq
<ul style="list-style-type: none"> Lubricant agent Imacol® C3G liq Imacol® X-JET liq 	<ul style="list-style-type: none"> Dyestuff protection agent Revatol® NS liq c 	<ul style="list-style-type: none"> Chlorine fastness improver Optifix® CLC liq
<ul style="list-style-type: none"> Sequestering agent Dekol® 2005 liq c Dekol® 1097 N liq Dekol® SN 100 liq c 	<ul style="list-style-type: none"> Levelling agent Drimagen® E3R liq 	<ul style="list-style-type: none"> UV absorber Rayosan® C pa

> Spotlight on **DEEP DIVE**, a complete system for highly efficient coloration with less water.

Offering best-in-class auxiliaries for bespoke process run ability, maintaining high standards of quality and sustainability.

Archroma's dyes for polyester and polyester/cellulose blends

Lumacron® XLD disperse dyes	Foron® S-WF disperse dyes
<ul style="list-style-type: none"> Medium/high energy performance dyes Good wet fastness 	<ul style="list-style-type: none"> High-energy performance dyes Very high sublimation fastness Very high wet fastness properties Ideal for application together with the Drimaren® HF dyes in the resource saving SWIFT process on PES/CEL Knits
<ul style="list-style-type: none"> Lumacron® Yellow XLD Lumacron® Yellow Brown XLD Lumacron® Red XLD c Lumacron® Rubine XLD Lumacron® Blue XLD Lumacron® Navy XLD Lumacron® Black XLDF 	<ul style="list-style-type: none"> Foron® Brill Yellow S-WF Foron® Golden Yellow S-WF Foron® Brill Scarlet S-WFN Foron® Red S-WF Foron® Crimson S-WF Foron® Magenta S-WF Foron® Rubine S-WF Foron® Cyanine S-WF Foron® Turquoise S-WF Foron® Blue S-WF Foron® Navy S-WF Foron® Black S-WF

> Spotlight on **SWIFT BLEND**, a rapid, resource saving system for coloration of PES/CO substrates, using up to half the resources.

Archroma's auxiliaries for polyester

<ul style="list-style-type: none"> Antifoam agent Antimussol® HT2S liq 	<ul style="list-style-type: none"> Alkali reduction clearing Cyclanon® MCL liq Cyclanon® MSA p Ekalin® F liq 	<ul style="list-style-type: none"> Levelling agent Eganal® DFT liq Eganal® X-ACT liq
<ul style="list-style-type: none"> Wetting, deaerating agent Leonil® EHC liq c 	<ul style="list-style-type: none"> Sun protection Rayosan® PES liq 	<ul style="list-style-type: none"> Dispersing oligomers Lyocol® POD liq
<ul style="list-style-type: none"> Lubricant agent Imacol® MPE liq Imacol® X-JET liq 	<ul style="list-style-type: none"> Acid buffer dispersing Opticid® PSD liq c Opticid® PB liq 	<ul style="list-style-type: none"> Diffusion accelerator Dilatin® POE liq
<ul style="list-style-type: none"> Degreasing agent Humectol® LYS liq 	<ul style="list-style-type: none"> Dispersing agent Lyocol® RDN/PRDN liq 	<ul style="list-style-type: none"> Dyestuff protection agent Revatol® AR liq
<ul style="list-style-type: none"> Acid reduction clearing Cyclanon® Eco plus liq 		

Discover Archroma Printing portfolio & system solutions in our “**Passion for Printing**” brochure.

Innovative and tailor-made solutions

For **fashion knits** Archroma is a key player for high quality applications, requiring state-of-the-art special effects whilst ensuring safety and efficiency standards are maintained.

Archroma’s wide portfolio of finishing products range from world-class sewability improvers, wide range of softening and full range of functionality systems for water-repellency and anti-microbial protection to help to create additional value in any end market.

Archroma’s performance and finishing solutions

<p>Protection</p> <ul style="list-style-type: none">• Fluorine free water repellent Smartrepel® Hydro• Repellency & soil release Nuva® N Nanosphere®• Flame retardant Pekoflam®• Yellowing protection Umidol® <p>Moisture management & thermocontrol</p> <ul style="list-style-type: none">• Moisture management Hydroperm®• Cooling effects/Thermocontrol coldblack® Lurapret® Comfort*	<p>Shape stabilization & shrink resistance</p> <ul style="list-style-type: none">• Crease & shrink resistance Arkofix® (Oekotex class 1-Formaldehyde free**) Fixapret® (Oekotex class 2)• Anti curling agent Appretan®• Anti snagging/ Anti pilling Dicofix® <p>Finishing specialties & additives</p> <ul style="list-style-type: none">• Special crosslinker Arkophob®• Wetting agents Kieralon® MRZ liq Fluowet® UD liq Imerol® JET-B liq c• Foaming agent Kieralon® SAS 30 liq Afilan®• Anti foaming agent Antimussol® UDF liq• Antistatic Elfugin® AKT liq	<p>Softening</p> <ul style="list-style-type: none">• Silicone softener Solusoft®• Hydrophilic silicone softener Siligen®• Fatty acid softener Ceranine® Cepreton® Leomin®• Polyethylene softener/ lubricants Ceralube®• Yarn lubricants Destofil®• Polyurethane softener Hydroperm® RPU New Perapret® PU New• Softener for fluorocarbon finish Ceralube® PHD liq c <p>Odor management</p> <ul style="list-style-type: none">• Antimicrobial hygiene function Sanitized®• Odor control function Sanitized® Odoractiv
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* application partnership with Outlast company
** Zero-Add on Formaldehyde

> Spotlight on **POWER COTTON**, a system for comfortable cotton fabrics with more than 5 times higher abrasion resistance.

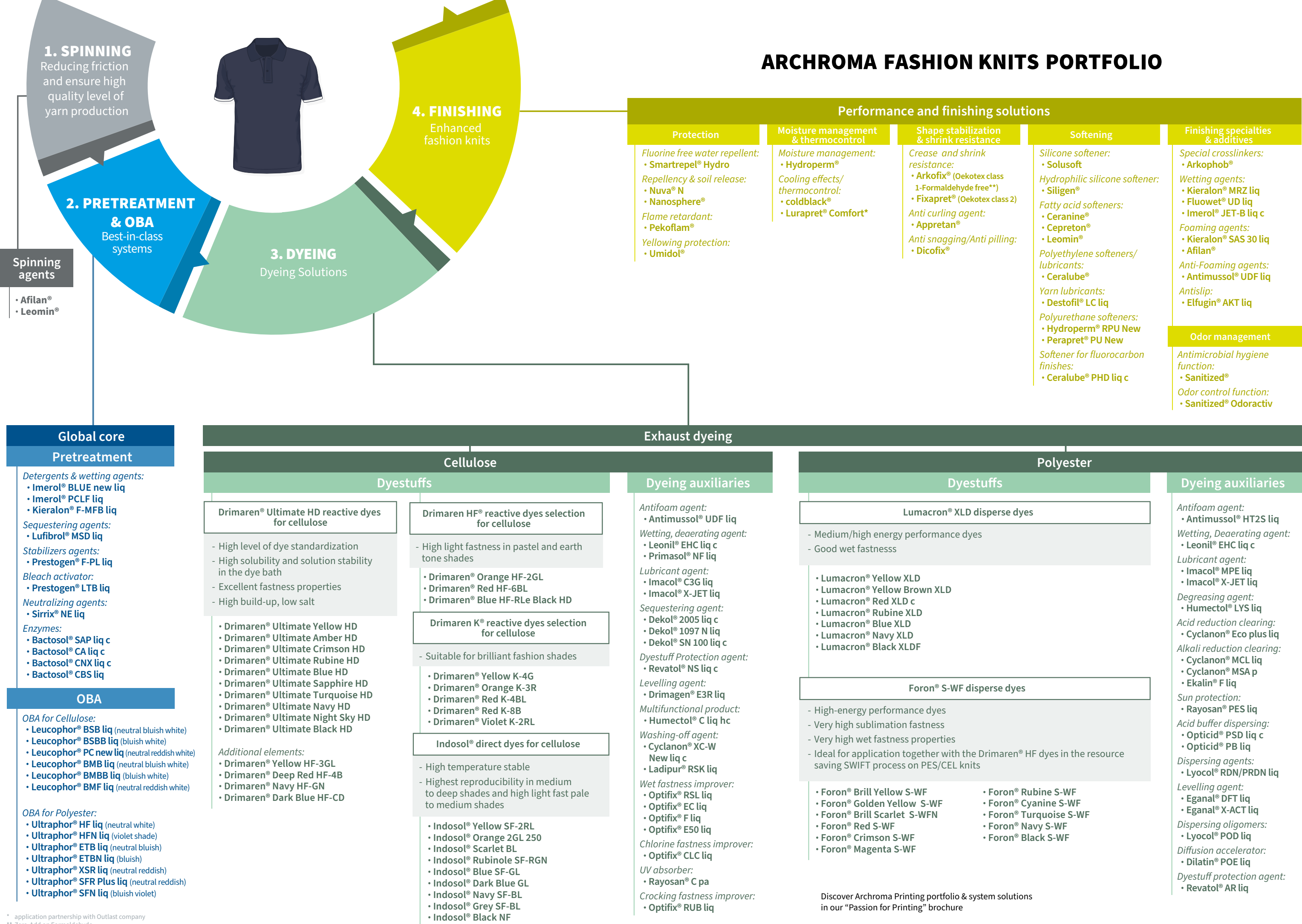


Discover more information in our “[Functional Finishing](#)” brochure.

/Check our latest updates at

www.fashion.archroma.com

...and know more about our SYSTEMS SOLUTIONS for fashion knits



* application partnership with Outlast company
** Zero-Add on Formaldehyde

/ THE ARCHROMA WAY TO A SUSTAINABLE WORLD

Safe, efficient, enhanced.

As a global leader in color and specialty chemicals, we are committed to develop innovative systems and services to provide you with custom solutions that are:

Safe – It's our nature to protect. Safe to use, safe to release and safe to wear.

Efficient – It's our nature to rethink sustainable manufacturing. Innovating application processes that minimize resources and maximize productivity.

Enhanced – It's our nature to add another level of value. Effects, functionality and aesthetics to give additional value, for a life enhanced.



Ask your Archroma representative for additional information on our system solutions

*below limits of detection according to industry standard test methods



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