

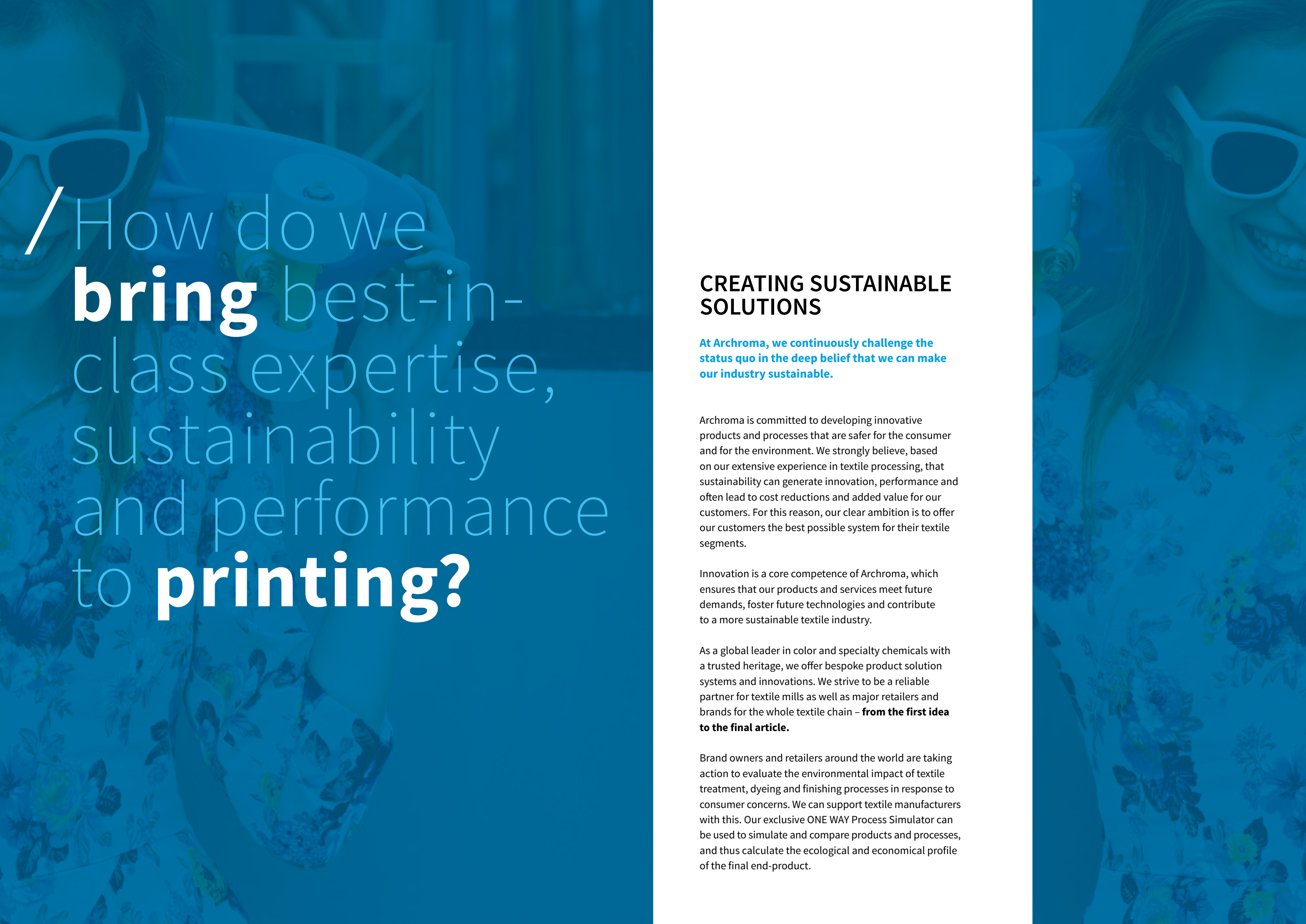


**PASSION FOR  
PRINTING**

Best-in-class system solutions of  
cellulosic and synthetic printed fabrics







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

## 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.

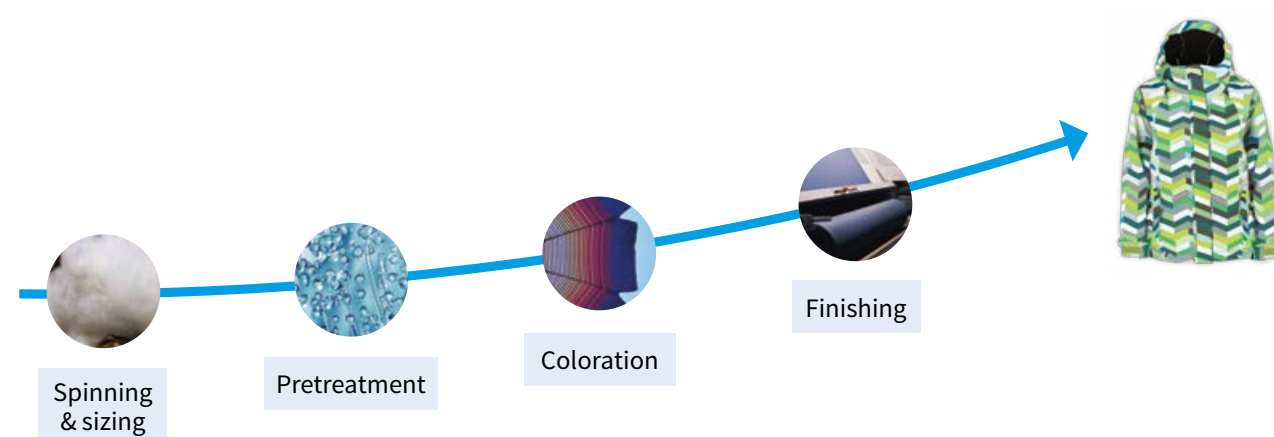
## / ABOUT US

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, sizing, pretreatment, dyeing, printing and digital printing, as well as finishing**.

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

From the classics stripes, to the most intricate designs derived from nature, on any kind of fabric, Archroma strives to be the preferred partner for printing, offering a complete printing system solution that obtain vibrant designs in most fields of textile printing applications.



### Competence Center for Printing

Benefit from Archroma's printing expertise and networks for:

- Global experts in technical textile color and chemical solutions;
- Solutions-oriented, and customer-centric approach and objectives;
- Complete system offering thanks to unique combination of know-how in pigment preparation and auxiliaries;
- Access to global and regional knowledge and expert network for seamless support in global supply chain management
- State-of-the-art R&D labs for chemical packages and process developments.

**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 & SIZING

### Flexibility on demand

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

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

### Archroma's spinning agents

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

### Archroma's sizing agents

- Sizing agent **Arkofil®**
- Additives **Trefix®**

> **Spotlight on [ECO2SIZE](#) a fully synthetic sizing system for woven fabrics that increases productivity and reduces the BOD/COD effluent load**

## / PRETREATMENT

### 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 systems**, you will be able to achieve better print quality on fabric.

### Archroma's chemicals for PES & PA

- Surfactants **Imerol® MFB liq/Kieralon® F-MFB liq**
- Sequestering & neutralizing **Lufibrol® MSD liq**

### Archroma's chemicals for CEL

- Enzymes **Bactosol® HPA liq**
- Stabilizers **Prestogen® FCB liq**
- Surfactants **Kieralon® UH liq**
- Sequestering & neutralizing **Lufibrol® ANTOX liq**

> **Spotlight on [HARD CORE](#), a complete pretreatment and whitening system for a brighter and stronger cotton fabric for a style that lasts**



## Pigment printing system for cellulosic, polyester and its blends

Our wide portfolio of **pigment printing preparations and auxiliaries**, places Archroma in the position to offer complete **printing solutions** that obtain vibrant colors in most fields of textile printing applications. From the classics stripes, to the most intricate designs derived from nature, together with high light-fastness performance, Archroma strives to be the preferred partner for printing with its focus on customer needs, quality, sustainability and performance.

### Archroma's pigment printing preparations for CEL, PES & blends

<b>Printofix® T</b> <ul style="list-style-type: none"> <li>High stability of dispersion</li> <li>Low viscosity</li> <li>Wider shade gamut</li> <li>Highest light fastness</li> </ul>	<ul style="list-style-type: none"> <li><b>Printofix® Blue T-K</b></li> <li><b>Printofix® Blue T-P</b></li> <li><b>Printofix® Navy T-V</b></li> <li><b>Printofix® Green T-X</b></li> <li><b>Printofix® Dark Brown TT</b></li> <li><b>Printofix® Black T-M</b></li> </ul>	<b>Printofix® TF</b> <ul style="list-style-type: none"> <li>Top of fastness</li> </ul>
<ul style="list-style-type: none"> <li><b>Printofix® Yellow GTN</b></li> <li><b>Printofix® Yellow T-C</b></li> <li><b>Printofix® Yellow T-G</b></li> <li><b>Printofix® Orange T-O ECO</b></li> <li><b>Printofix® Red T-N</b></li> <li><b>Printofix® Red T-B</b></li> <li><b>Printofix® Pink T-E</b></li> <li><b>Printofix® Violet T-L</b></li> </ul>	<b>Printofix® Blue T-WD</b> <ul style="list-style-type: none"> <li>Easier way to get the indigo look</li> <li>High stability</li> <li>Suitable for cellulosic, polyester, and cellulosic/polyester blends</li> <li>Indigo wash-down effects</li> </ul>	<ul style="list-style-type: none"> <li><b>Printofix® Brilliant Yellow TF</b></li> <li><b>Printofix® Yellow TF</b></li> <li><b>Printofix® Brilliant Red TF</b></li> <li><b>Printofix® Blue TF</b></li> <li><b>Printofix® Green TF</b></li> <li><b>Printofix® Brown TF</b></li> <li><b>Printofix® Black TF</b></li> </ul>

### Archroma's printing auxiliaries for CEL, PES & blends

<ul style="list-style-type: none"> <li>Thickener <b>Lutexal® CSFN liq</b> <b>Lutexal® HIT Plus liq</b> <b>Lutexal® CSN liq</b></li> <li>Binder <b>Helizarin® SFT liq c</b> <b>Helizarin® LTC New liq</b> <b>Helizarin® CS liq</b> <b>Helizarin® TOW liq</b> <b>Helizarin® ET liq</b> <b>Helizarin® 83 liq</b> <b>Helizarin® CFN liq</b></li> <li>Fixing agent <b>Luprintol® Fixing agent SE liq</b> <b>Luprintol® Fixing agent SF liq</b> <b>Luprintol® Fixing agent WB-FR liq</b></li> </ul>	<ul style="list-style-type: none"> <li>Softener <b>Luprintol® Soft VSN liq</b> <b>Luprintol® Soft SIG liq</b> <b>Luprintol® Soft H-P liq</b></li> <li>Pastes <b>Helizarin® White RT pa</b> <b>Helizarin® Flock HT pa</b> <b>Helizarin® Ultra-fast Paste</b></li> <li>Improvers and problem solvers <b>Luprintol® Emulsifier PE New liq</b> <b>Luprintol® Antifoam TC ECO liq</b> <b>Luprintol® Additive RM liq</b></li> </ul>	Formaldehyde-free* printing system <b>Helizarin® Eco-Safe</b> <ul style="list-style-type: none"> <li>Binder <b>Helizarin® SFT liq c, Helizarin® LTC New liq</b> and <b>Helizarin® CS liq</b></li> <li>Fixing agent <b>Luprintol® Fixing Agent SE liq</b></li> <li>Softener <b>Luprintol® Soft VSN liq</b></li> <li>Synthetic thickener <b>Lutexal® CSFN liq</b></li> <li>Special emulsifier <b>Luprintol® Emulsifier PE New liq</b></li> </ul>
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> Spotlight on **STAMP IT SAFE**, a formaldehyde-free\* printing system for soft fabrics which is better for you and our planet

## Reactive printing system for cellulosic

**Drimaren® reactive dyes and printing auxiliaries** are especially selected for printing on cellulosic. Suitable for applications whatever requirements standards: from home textiles to apparel, ensuring very soft hand feel properties.

### Archroma's dyestuffs for CEL

<b>Drimaren® P</b> <ul style="list-style-type: none"> <li>Printing on cellulosic fibers</li> <li>Brilliant shades to enable great color variety</li> </ul>
<ul style="list-style-type: none"> <li><b>Drimaren® Blue P-5RN p</b></li> <li><b>Drimaren® Black P-LS p</b></li> <li><b>Drimaren® Turquoise Blue P-GRS p</b></li> <li><b>Drimaren® Black P-GR p</b></li> <li><b>Drimaren® Yellow P-6GS p</b></li> <li><b>Drimaren® Red P-BN p</b></li> <li><b>Drimaren® Red P-4B p</b></li> <li><b>Drimaren® Navy P-2R p</b></li> <li><b>Drimaren® G. Yellow P-2R p</b></li> <li><b>Drimaren® Orange P-2RN p</b></li> <li><b>Drimaren® Blue P-3RL p</b></li> <li><b>Drimaren® Black P-BL p</b></li> </ul>

### Archroma's auxiliaries for CEL

<ul style="list-style-type: none"> <li>Synthetic thickener <b>Lutexal® DRA liq</b> <b>Lutexal® F-RP Plus</b> <b>Lutexal® RP-HT liq</b></li> <li>Auxiliaries <b>Printogen® Oxidant grains</b> <b>Lyocol® BC liq</b> <b>Dekol® 2005 liq</b> <b>Antimussol® UDF liq</b></li> <li>Washing off <b>Ladipur® RSK liq</b> <b>Cyclanon® XC-W New liq</b></li> <li>Fastness <b>Optifix® RSL liq</b> <b>Optifix® EC liq</b></li> </ul>
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Disperse printing system for polyester

**Foron® disperse dyes and printing auxiliaries** are especially selected for printing on polyester. Suitable for applications whatever requirements standards: from automotive, exterior textiles, home textiles, apparel and sportswear.

Archroma’s dyestuffs for PES

Foron® S	Foron® S-WF	Dorospers® K
<ul style="list-style-type: none"><li>• Good chemical stability</li><li>• Suitable for printing, exhaust dyeing processes as well as thermosol dyeing</li></ul>	<ul style="list-style-type: none"><li>• High sublimation fastness</li><li>• Excellent wet fastness</li><li>• Suitable for yarn and piece dyeing by the exhaust process as well as for continuous dyeing and printing</li></ul>	<ul style="list-style-type: none"><li>• Global core</li><li>• Highest light-fastness and hot-light-fastness</li><li>• State-of-the-art dispersability and dispersion stability</li><li>• Very high reproducibility</li></ul>
<ul style="list-style-type: none"><li>● Foron® Yellow S-6GL 200</li><li>● Foron® Yellow Brown S-2RFL 150</li><li>● Foron® Scarlet S-3GFL</li><li>● Foron® Brilliant Red S-RGL 200</li><li>● Foron® Rubine S-2GFL 150</li><li>● Foron® Brilliant Violet S-3RL 150</li><li>● Foron® Blue S-BGL 200</li><li>● Foron® Blue S-2RN</li><li>● Foron® Brilliant Blue S-BG 200</li><li>● Foron® Navy S-2GRL 200</li><li>● Foron® Black RD-S</li></ul>	<ul style="list-style-type: none"><li>● Foron® Brilliant Yellow S-WF</li><li>● Foron® Golden Yellow S-WF</li><li>● Foron® Red S-WF</li><li>● Foron® Crimson S-WF</li><li>● Foron® Rubine S-WF</li><li>● Foron® Blue S-WF</li><li>● Foron® Cyanine S-WF</li><li>● Foron® Turquoise S-WF</li><li>● Foron® Navy S-WF</li><li>● Foron® Black S-WF</li></ul>	<ul style="list-style-type: none"><li>● Dorospers® Yellow K-HM 150</li><li>● Dorospers® Orange K-R</li><li>● Dorospers® Red K-AS</li><li>● Dorospers® Red K-LR New</li><li>● Dorospers® Brilliant Blue K-2G</li><li>● Dorospers® Blue K-LB 150</li><li>● Dorospers® Navy Blue K-LN</li><li>● Dorospers® Black K-LSF</li></ul>

Archroma’s auxiliaries for PES

<ul style="list-style-type: none"><li>• Thickener <b>Lutexal® DRA liq</b></li><li>• Dispersing <b>Lyogen® CN liq</b> <b>Lyocol® RDN liq</b></li><li>• Acid buffer <b>Opticid® PB liq</b></li><li>• Fixation accelerator <b>Lyocol® BC liq</b></li><li>• Washing off agent <b>Ladipur® MCL liq</b> <b>Eganal® DFT liq</b></li><li>• Antifoam agent <b>Antimussol® UDF liq</b></li></ul>
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Acid printing system for polyamide

**Nylosan® & Lanasyn® acid dyes and printing auxiliaries** are especially selected for printing on polyamide. Suitable for applications whatever requirements standards: from automotive, exterior textiles, home textiles, apparel and sportswear.

Archroma’s dyestuffs for PA

Nylosan® S	Lanasyn® F	Lanasyn® M
<ul style="list-style-type: none"><li>• Metal free* acid dyes</li><li>• High solubility</li><li>• Highest wet fastness</li><li>• Good combinability without blocking</li><li>• Strong dyestuff build-up</li></ul>	<ul style="list-style-type: none"><li>• Metal free* acid dyes</li><li>• Brilliant range</li><li>• High wet fastness</li><li>• Limited combinability</li></ul>	<ul style="list-style-type: none"><li>• 1:2 metal complex</li><li>• Very high wet and light fastness</li></ul>
<ul style="list-style-type: none"><li>● Nylosan® Yellow S-L</li><li>● Nylosan® Orange S-3R</li><li>● Nylosan® Brilliant Red S-3R</li><li>● Nylosan® Red S-3B</li><li>● Nylosan® Red S-B</li><li>● Nylosan® Blue S-R</li><li>● Nylosan® Navy S-3G</li><li>● Nylosan® Blue Black S-3R</li></ul>	<ul style="list-style-type: none"><li>● Lanasyn® Yellow F-7GL</li><li>● Lanasyn® Scarlet F-3GL 130</li><li>● Lanasyn® Red F-5B 150</li><li>● Lanasyn® Red F-6B 140</li><li>● Lanasyn® Brilliant Blue F-CLA</li><li>● Lanasyn® Blue F-2RFL 160</li><li>● Lanasyn® Blue F-L 150</li><li>● Lanasyn® Violet F-BL 180</li><li>● Lanasyn® Brilliant Green F-6GLN</li></ul>	<ul style="list-style-type: none"><li>● Lanasyn® Yellow M-2GL</li><li>● Lanasyn® Bordeaux M-RLA 200</li><li>● Lanasyn® Turquoise M-5G</li><li>● Lanasyn® Navy M-DNL</li><li>● Lanasyn® Dark Brown M-GLN</li><li>● Lanasyn® Grey M-BLA</li><li>● Lanasyn® Black M-DL 170</li></ul>

\*below limits of detection

Archroma’s auxiliaries for PA

<ul style="list-style-type: none"><li>• Solvents <b>Lyocol® BC liq</b> <b>Lyocol® TGE liq</b></li><li>• Antifrosting <b>Solidokoll® VN liq</b></li><li>• Antifoam <b>Antimussol® UDF liq</b></li><li>• Washing off agent <b>Ladipur® DK liq</b> <b>Lyogen® NH liq</b></li><li>• Fixation <b>Nylofixan® PM liq</b></li></ul>
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## / DIGITAL PRINTING

Archroma, a recognized global leader in integrated solutions for printing, is also investing in **digital printing**, bringing high innovation, creativity, quality and sustainability.

Together with our expertise, we bring economical benefits with wider design possibilities, opening new business opportunities for digital textile printers.

Our **Inkpresso® system** is a paradigm shift; it allows you to manufacture your own inks, close to the printing machines, ensuring high stability and fresh Ink from highly purified dyes with no issues of shelf life.

**Inkpresso®** brings together benefits that were unattainable so far in inkjet printing: Production flexibility, no shelf-life problems, a larger color spectrum and the possibility of an individual coloristic variant.

### Archroma's pretreatment solutions for CEL & PA

- Wetting & deaerating  
**Printogen® Inkjet NFW liq**
- Levelness & definition improver  
**Printogen® Inkjet DPE liq**
- Reduction protection  
**Printogen® Oxidant Grains**
- Solubility & fixation (helps to reduce amount of urea in the recipe)  
**Lyocol® BC liq**
- Synthetic thickener to adjust viscosity  
**Lutexal® GP Eco p**

### Archroma's dyestuffs solutions for CEL & PA

- |                                      |  |
|--------------------------------------|--|
| • Purified reactive dyes             | • Inks                                     |
| • <b>Solar® Brilliant yellow</b>     | • <b>Inkpresso® Brilliant Yellow</b>       |
| • <b>Solar® Orange</b>               | • <b>Inkpresso® Orange</b>                 |
| • <b>Solar® Brilliant Red</b>        | • <b>Inkpresso® Brilliant Red</b>          |
| • <b>Solar® Magenta 2B</b>           | • <b>Inkpresso® Magenta 2B</b>             |
| • <b>Solar® Cyan</b>                 | • <b>Inkpresso® Cyan</b>                   |
| • <b>Solar® Brilliant Blue</b>       | • <b>Inkpresso® Brilliant Blue</b>         |
| • <b>Solar® Black</b>                | • <b>Inkpresso® Black</b>                  |
| • Compound<br><b>Solar® Compound</b> | • Head cleaner<br><b>Printogen® HC liq</b> |



Discover more information of Inkpresso® system in our 'Digital printing' brochure

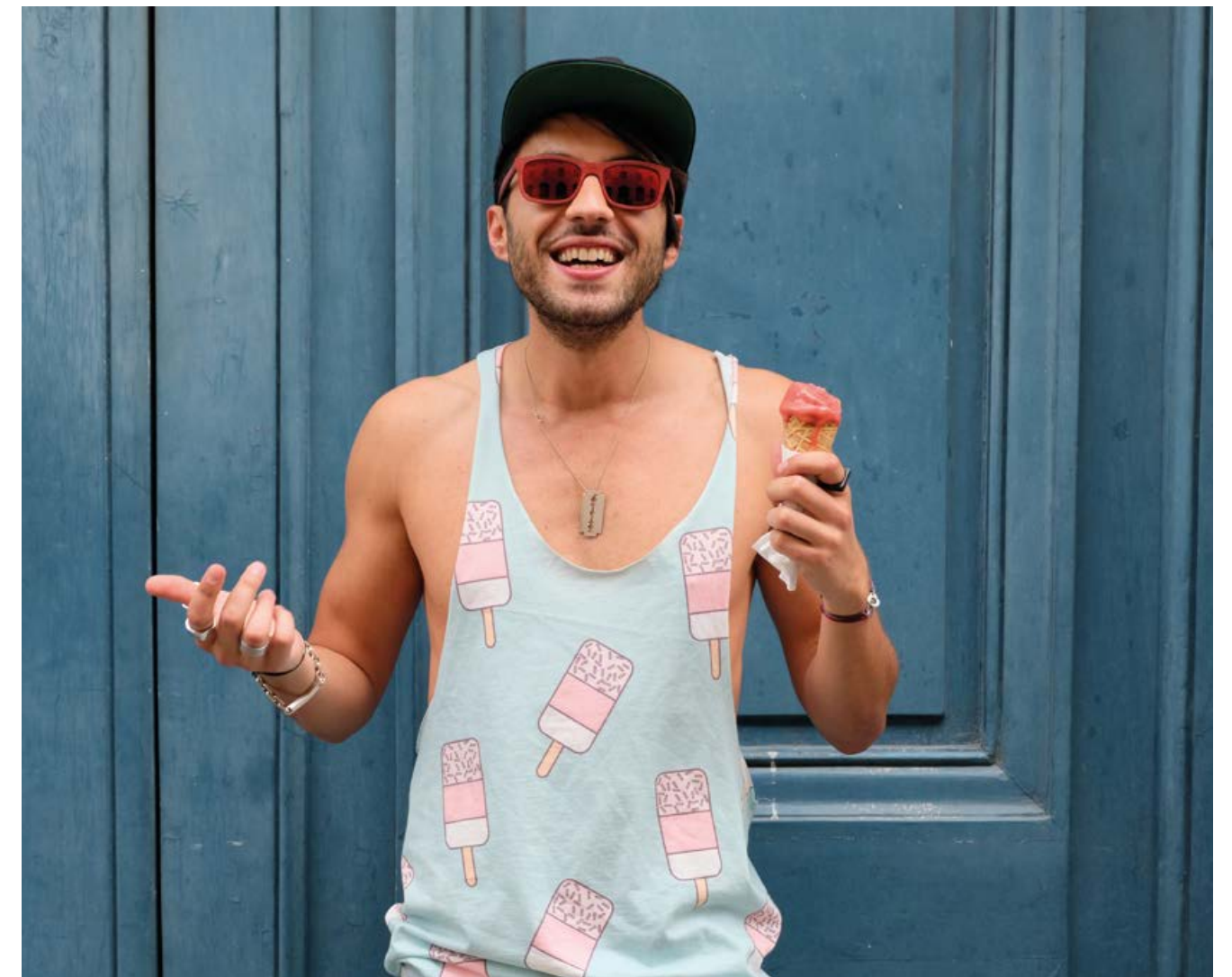


## / WASHING OFF

Archroma washing-off systems will help to remove unfixed dye and chemicals from fabric and avoid back staining of dyestuff onto unprinted/white areas.

### Archroma's washing-off agents

- Dispersing & complexing agents  
**Cyclanon XC-W New liq**  
**Dekol® RSK**
- Alkaline reduction clearing agent  
**Ladipur® MCL liq**



> Spotlight on **COOL PRINT**, a complete formaldehyde-free\* system that keeps your printed textiles soft and durable and the Earth cooler



Archroma is a recognized expert in finishing solutions to fulfill the different market segment requirements.

## Archroma's performance and finishing solutions

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

\*application partnership with Outlast company

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

> Spotlight on **SMOOTH AS IRON**, a non-iron finishing system that keeps fabric smooth, soft and strong especially on collars, cuffs and home textiles

Discover more information in our 'Functional Finishing' brochure

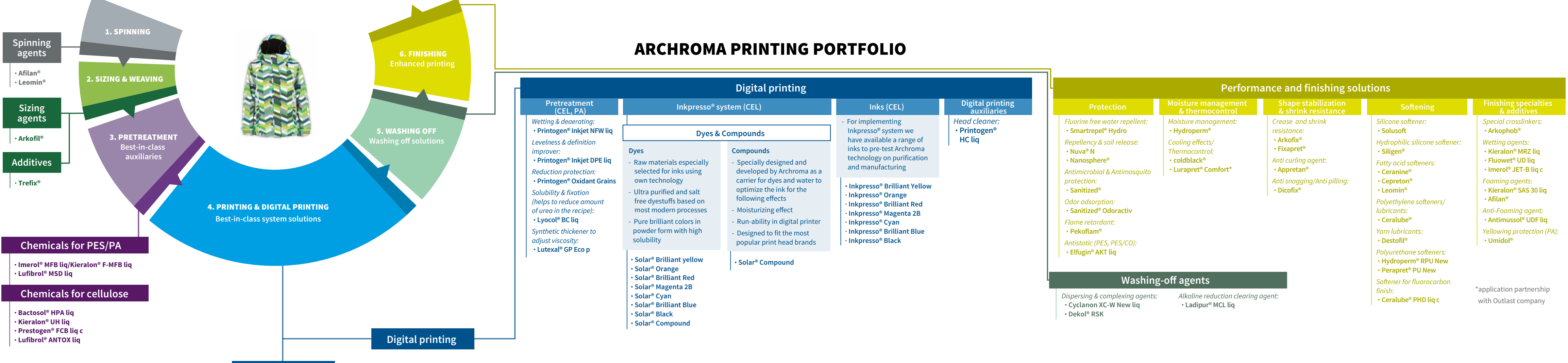
# / Check our latest updates at

[www.printing.archroma.com](http://www.printing.archroma.com)

...and know more about our **SYSTEM SOLUTIONS** for printing



ARCHROMA PRINTING PORTFOLIO





# / THE ARCHROMA WAY

## 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



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ISO 14001  
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