PASSION FOR EXTERIOR TEXTILES / Best-in-class innovations, applications and system 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.

CREATING SUSTAINABLE SOLUTIONS

How do we bring best-in-class expertise, sustainability and performance to exterior textiles?
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 and finishing.

At Archroma, we share your passion for exterior textiles, 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.

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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 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 and sizing systems, aimed at answering 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®

PRETREATMENT & OBA

Preparation for peace of mind

An old saying states that “well prepared is half dyed”. Pretreatment is indeed a key step in textile production. The diversity of fibers and quality variations are major challenges in consistently obtaining a perfectly prepared fabric, ready for the next processing steps.

Based on decades of experience, a worldwide presence and strong relations with machine manufacturers, Archroma is in the position to provide robust pretreatment and optical brightening systems for every type of fiber and their blends, optimized for your specific set-up.

With Archroma optical brightening agents (OBA), you get the whiteness and the shade that you need, with high fastness level.

Archroma’s pretreatment & OBA agents

• Antifoam agent Antimussol® HT25 liq
• Dispersing & sequestering agents Lufibrol® MSD liq
• OBA for PES Ultraphor® ERE (neutral reddish)
Ultraphor® EREN (bluish violet)
Ultraphor® HF (neutral reddish)
Ultraphor® HFN (red violet)
• Wetting, Deaerating agent Leonil® EHC liq c
• Detergents Imerol® PCLF liq
Kieralon® F-MFB liq
Our polyester exterior textiles solutions have been developed to withstand the highest light and hot-light-fastness requirements. These properties ensure high color consistency – giving maximum flexibility – retaining light fastness and color.

**Dorospers® A & K dyes** because of their excellent fastness to light and weathering are recommended for the exhaust dyeing of polyester exterior textiles. The addition of suitable UV absorbers from the Fadex® range improves light fastness consistency and the tear strength of the polyester fiber.

**Archroma’s dyestuff range**

**Dorospers® K dyes**
- Highest light and hot-light-fastness
- State-of-the-art dispersability and dispersion stability
- Very high reproducibility

**Dorospers® A dyes**
- State-of-the-art dispersability and dispersion stability
- Very high reproducibility
- Medium to high hot-light-fastness requirements

**Archroma’s dyeing auxiliaries**
- **Antifoam agent**
  - Antiimussol® HT2S liq
- **Wetting, deaerating agent**
  - Leonil® EHC liq c
- **Lubricant**
  - Imacol® MPE liq
- **Dystuff protection agent**
  - Revatol® AR liq
- **Dispersing agent**
  - Lyocol® PRDN liq
  - Lyocol® RDN liq
- **Levelling/dispersing**
  - Eganal® DFT liq
  - Eganal® PS liq
  - Lyogen® P liq c
- **Diffusion accelerator**
  - Dilatin® POE liq
- **Acid buffer**
  - Opticid® PB liq
  - Opticid® PSD liq
- **Alkaline buffer**
  - Lyocol® ELD New liq
- **Oligomer dispersing**
  - Lyocol® POD liq
- **Reducive clearing**
  - Cyclanon® ECO Plus liq (acid)
  - Cyclanon® MCL liq (alkaline)
  - Ekalin® F liq
  - Cyclanon® MSA pwd (alkaline)
- **Anti-migrating**
  - Solidokoll® N liq
- **Pick up improver**
  - Solidokoll® DPR liq

**Archroma’s UV absorbers**

Our Fadex® UV-absorbers provide high light-fastness to polyester exterior textiles.

- Benzotriazole based
  - Fadex® AKX liq
  - Fadex® F liq
  - Fadex® F liq c
- Benzophenone based
  - Fadex® ECS liq
- Triazine based
  - Fadex® TR liq
  - Fadex® ST liq
  - Fadex® ST New liq
  - Fadex® AS New liq

The coloration section of this brochure is focused on the fiber of wider application and use for exterior textiles PES. Archroma has also a complete coloring solutions for CEL, PA and blend fabrics. Please ask your representative for additional information.
The preferred choice for printing

Our wide portfolio of pigment printing preparations and auxiliaries, combined with a great selection of dyes, place Archroma in the position to offer complete printing solutions that obtain vibrant colors in most fields of textile printing applications.

Archroma’s pigment printing

Printofix® Pigment preparations

- High standard of dispersion stability
- Low viscosity

Extremely high light fastness:
- Printofix® Brilliant Yellow TF
- Printofix® Yellow TF
- Printofix® Brilliant Red TF
- Printofix® Blue TF
- Printofix® Green TF
- Printofix® Brown TF

Additional elements:
- Printofix® Yellow T-GTN
- Printofix® Pink T-E
- Printofix® Violet T-L
- Printofix® Blue T-K
- Printofix® Blue T-P
- Printofix® Navy T-V
- Printofix® Green T-X
- Printofix® Black T-M

Auxiliaries

Printing binder:
- Helizarin® SFT liq
- Helizarin® TOW Plus liq

Printing thickeners:
- Lutexal® HIT Plus
- Lutexal® CSFN liq

Printing fixing agent:
- Luprintol® Fixing Agent SE liq
- Luprintol® Fixing Agent SF liq

Printing softeners:
- Luprintol® Soft VSN liq
- Luprintol® Soft SIG liq

Printing specials:
- Luprintol® Emulsifier PE New liq
- Luprintol® Additive RM liq

Archroma’s disperse printing

Dorospers® K

- Highest light-fastness and hot-light-fastness
- State-of-the-art dispersability and dispersion stability
- Very high reproducibility

See complete range in the dyeing section

Auxiliaries

Anti-foaming:
- Antimussol® UDF

Acid donor:
- Opticid® PB

Dispersing agent:
- Lyocol® RDN

Fixation improver:
- Lyocol® BC

Synthetic thickener:
- Lutexal® DRA

Washing-off agent:
- Eganal® DFT

Reduction clearance:
- Ladipur® MCL

Fixation improver:
- Lyocol® BC

Archroma’s exterior textiles solutions

- Protection against liquids, soils, odor formation, and flames
  - Smartrepel® Hydro
  - Nova®M
  - NanoSphere®
  - Sanitized®
  - Pekoflam®
  - Elfugin®

- Enhanced comfort, abrasion resistance & softening
  - Ceralube®
  - Solusoft®
  - Siligen®
  - Cepreton®

- Thermo-control and cooling effects
  - Hydroperm®
  - coldblack®

- Water-based solvent-free polymers for functional coating and dimensional stabilization
  - Appretan®
  - Lurapret®
  - Texapret®

- Ready-to-apply FR coating compound solutions
  - Texapret® CF

- Structural stabilization
  - Arkofix®
  - Fixapret®
  - Cassurit®

Discover more information in our “Functional Finishing” brochure.

FINISHING

Innovative and tailor-made solutions

For exterior textiles fabrics Archroma is a key player for high quality applications, requiring state-of-the-art special effects and ensuring safety standards are maintained.

Archroma’s wide portfolio of finishing products such as water-repellent, soil release, anti-microbial, polymers, flame retardant and high abrasion resistance finishes are applied to these special articles to fulfill all the technological requirements and add value.

The Archroma polymers for coating are water-based solvent free and do not contain di-methylformamide (DMF) nor any other organic solvents. Thus, we offer systems for eco-advanced fabric production whilst meeting the latest ecological requirements. This means a final product safer for the consumer.
The coloration section of this brochure is focused on the fiber of cotton. Archroma has also a complete coloring solutions for CEL, PA and blend fabrics.

However, Archroma has also a wide coloring solutions for CEL and PA. The coloration section of our product portfolio is focused on the fiber of cotton.

The coloration section of this brochure is focused on the fiber of cotton.

Archroma has also a complete coloring solutions for CEL, PA and blend fabrics. Please ask your representation for additional information.
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

*bellow limits of detection*
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