



**PASSION FOR
AUTOMOTIVE**

Best-in-class innovation,
application and solutions





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

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 can even lead to cost reductions and added value for our customers. For this reason, our clear ambition is to offer our customers the best possible product solution in 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 help 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 and finishing.

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

The majority of Archroma's products are endorsed by some of the most important eco-standards.

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

Competence Center for Automotive

Since July 2018, M. Dohmen is part of the Archroma group and our experts in automotive solutions have joined forces to offer their combined know-how and passion to our customers.



/ 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 high performance and innovative **spin finishes**, aimed at answering the specific demands of our customers.

Our sophisticated expert laboratories, and customer service and support are invaluable assets for long-term co-operation and partnership. Our high ecological and toxicological internal standards give our customers the confidence that they can create spin finish products of high quality levels.

Archroma's spinning agents

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



Neither classical weaving nor modern high speed weaving can be carried out without **sizing agents**. These adhere the individual fibers in the yarn to each other and form a protective film on the fiber surface, which enables the yarn to survive the extreme mechanical stress during weaving without damage.

Archroma supplies sizing products and processes that meet the requirements of modern weaving technology. This includes more ecological and economical solutions for all types of looms and size recovery technologies.

Archroma's sizing agents

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

/ PRETREATMENT

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 machinery manufacturers, Archroma is in the position to provide robust pretreatment systems for every kind of fiber and their blends, optimized for our customers’ specific set-up.

Archroma’s pretreatment agents

- Antifoam agent
Antimussol® HT2S liq
- Dispersing & sequestering agents
Lufibrol® MSD liq
- Wetting, Deaerating agent
Leonil® EHC liq c
- Detergents
Kieralon® F-MFB liq

/ DYEING

Archroma, a recognized leader in integrated solutions for dyeing

Motor vehicles are long lasting consumer goods of high quality. They do not serve only the need for mobility, but act as status symbols. In addition, due to their long period of service, automobiles have to display high levels of quality during their entire life span. Therefore there are exceptionally high demands placed in terms of quality upon all of their components.

We offer **best-in-class solutions** for textile dyeing ensuring a well-controlled dyeing processing across broad range of textile processes and applications.

Our dyeing systems of selected dyes and chemicals are designed to fulfill the strictest fastness requirements of the automotive industry.

Our dyes for polyester and polyamide have been developed primarily to fulfil the highest demands in light-fastness and hot-light-fastness in order to withstand hot-light aging. This is made possible by concentrating on heat stability and resistance to photo chemical destruction.



POLYESTER

Thermosol dyeing

Selected **Dorospers®** dyes and auxiliaries which are recommended for the **thermosol dyeing** process of seat belts.

Archroma’s dyestuff range

Dorospers® dyes

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

- **Dorospers® Yellow K-HM 150**
- **Dorospers® Yellow K-RL 150**
- **Dorospers® Yellow Brown K-MR**
- **Dorospers® Brown K-3LG**
- **Dorospers® Brown K-3LR**
- **Dorospers® Orange K-R**
- **Dorospers® Red K-RR**
- **Dorospers® Red K-LR New**
- **Dorospers® Red AS-3L**
- **Dorospers® Brill Blue K-2G**
- **Dorospers® Blue K-GLFN 150**
- **Dorospers® Blue K-LB 150**
- **Dorospers® Blue AS-3L**
- **Dorospers® Navy Blue AS-3L**
- **Dorospers® Navy Blue K-LN**
- **Dorospers® Black K-YZ**
- **Dorospers® Black K-JE**

Archroma’s dyeing auxiliaries

Dyeing process PES thermosol for seat belts

- **Solidokoll® N liq**
- **Solidokoll® DPR liq**
- **Fadex® TR liq**
- **Fadex® AS New liq**

POLYESTER

Exhaust dyeing

Our polyester automotive solutions have been developed to withstand highest light-fastness and hot-light-fastness requirements. These properties ensure high color consistency – giving maximum flexibility – retaining light fastness.

In particular, the state-of-the-art **Dorospers® K dyes** fulfil the light fastness requirements of all original equipment manufacturers and can be ideally combined with the Fadex® products for UV-protection and they are suitable for **exhaust PES dyeing** process.

Archroma’s dyestuff range

Dorospers® K dyes	Dorospers® A dyes
<ul style="list-style-type: none">• Highest light-fastness and hot-light-fastness• State-of-the-art dispersability and dispersion stability• Very high reproducibility	<ul style="list-style-type: none">• State-of-the-art dispersability and dispersion stability• Very high reproducibility• Medium to high hot-light-fastness requirements
<ul style="list-style-type: none">● Dorospers® Yellow K-HM 150● Dorospers® Yellow K-RL 150● Dorospers® Yellow K-RSG● Dorospers® Yellow Brown K-MR● Dorospers® Orange K-R● Dorospers® Brown K-3LG● Dorospers® Brown K-3LR● Dorospers® Red K-AS● Dorospers® Red K-RR● Dorospers® Red K-LR New● Dorospers® Brill Blue K-2G● Dorospers® Blue K-GLFN 150● Dorospers® Blue K-LB 150● Dorospers® Navy Blue K-LN● Dorospers® Black K-LNF● Dorospers® Black K-JE	<ul style="list-style-type: none">● Dorospers® Yellow A-GLW c● Dorospers® Golden Yellow A-R● Dorospers® Red AS-3L● Dorospers® Blue A-BLF 150● Dorospers® Blue A-GBF 150● Dorospers® Blue AS-3L● Dorospers® Navy Blue AS-3L● Dorospers® Navy Blue A-LF● Dorospers® Black AS-3LF● Dorospers® Black A-CLF

> Spotlight on **LIGHT FAST CAR**, a system to keep fabric colors deep, vibrant and matched day after day

Archroma’s dyeing auxiliaries

<ul style="list-style-type: none">• Antifoam agent Antimussol® 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	<ul style="list-style-type: none">• Levelling/Dispersing Eganal® X-ACT liq Eganal® DFT liq Lyogen® P liq c• Acid Buffer Opticid® PSD liq• Alkaline Buffer Lyocol® ELD New liq• Oligomer Dispersing Lyocol® POD liq	<ul style="list-style-type: none">• Reductive clearing Cyclanon® ECO Plus liq (acid) Cyclanon® MCL liq (alkaline) Cyclanon® MSA (alkaline)• Anti Migrating Solidokoll® N liq• Pick up improver Solidokoll® DPR liq
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Archroma’s UV Absorbers

Fadex® UV-Absorbers providing top light-fastness to polyester automotive fabrics

<ul style="list-style-type: none">• Benzotriazole based Fadex® AKX liq Fadex® F liq Fadex® F liq c• Benzophenone based Fadex® ECS New liq• Triazine based Fadex® TR liq Fadex® AS New liq



POLYAMIDE & WOOL

For the dyeing of automotive applications made of polyamide and wool, we offer a selected range of acid-metal-complex dyes, suitable for exhaust dyeing and printing applications in combination with newly developed UV-absorbers and fiber protection systems.

Archroma's dyestuff range

Lanasyn® dyes

- High hot-light-fastness
- Suitable for the dyeing of polyamide automotive carpets in combination with Fadex® PA liq
- Suitable for the dyeing of wool and wool blends automotive applications
- Very high reproducibility

Standard combination

Lanasyn® Yellow 4R c
Lanasyn® Bordeaux RLA c
Lanasyn® Black S-GL

Additional elements

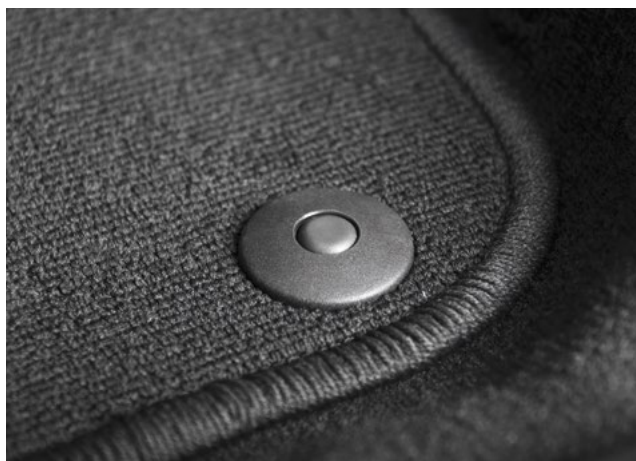
Lanasyn® Yellow 2GLN 250
Lanasyn® Blue A-GLD 200
Lanasyn® Black SD-L 170

Archroma's dyeing auxiliaries

- Antifoam agent
Antimussol® HT2S liq
- Wetting, Deaerating agent
Leonil® EHC liq c
- Lubricant
Imacol® PAM liq
- Levelling
Lyogen® NH liq
- Acid Buffer
Opticid® PB liq
- Acid Donor
Opticid® VS liq
Opticid® VAN liq
- Anti frosting
Lyogen® WAFN liq

Archroma's light fastness improver

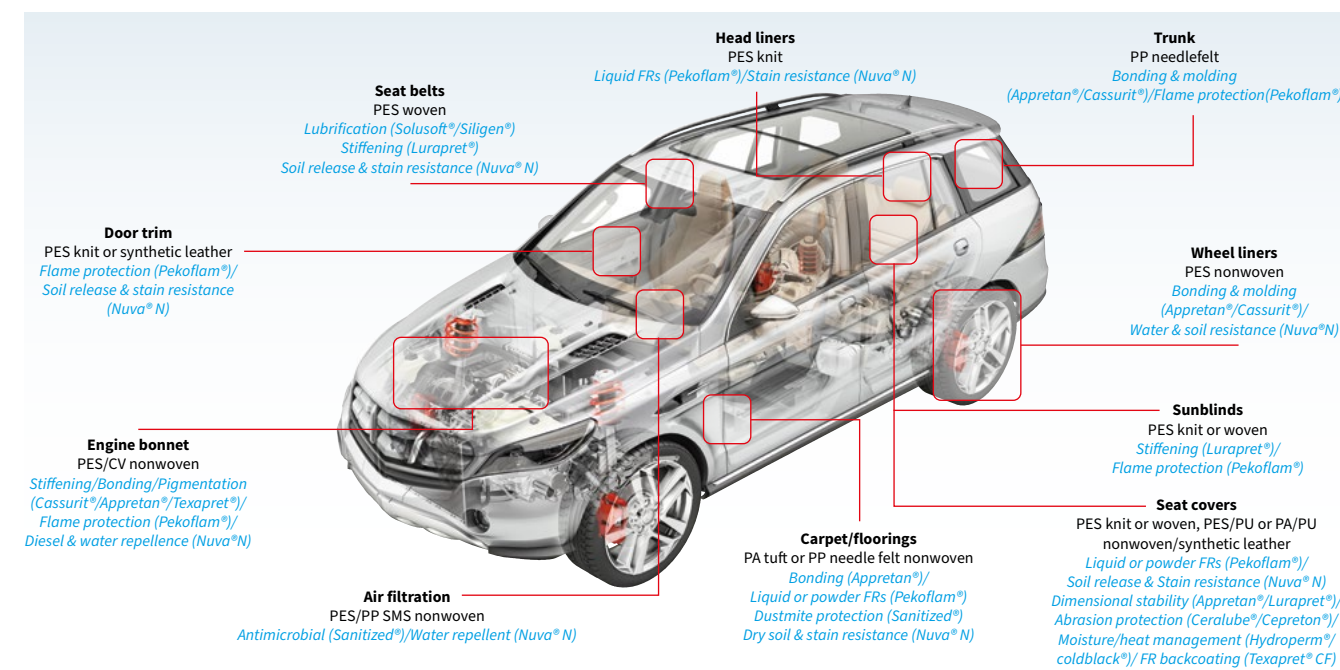
Fadex® PA liq



FINISHING

Innovative and tailor-made solutions

Archroma is a recognized expert in finishing solutions for all textile automotive interior applications.

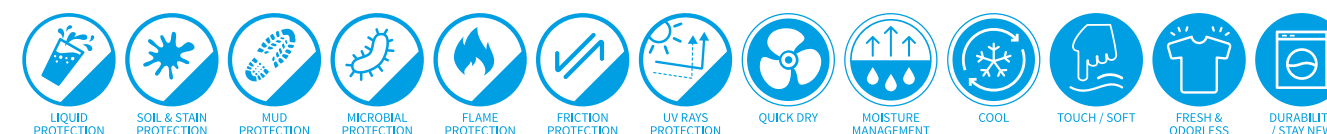


> Spotlight on **SAFE SEATS**, a modular surface treatment system for seating materials that protects you anytime

Archroma's performance & care effects solutions

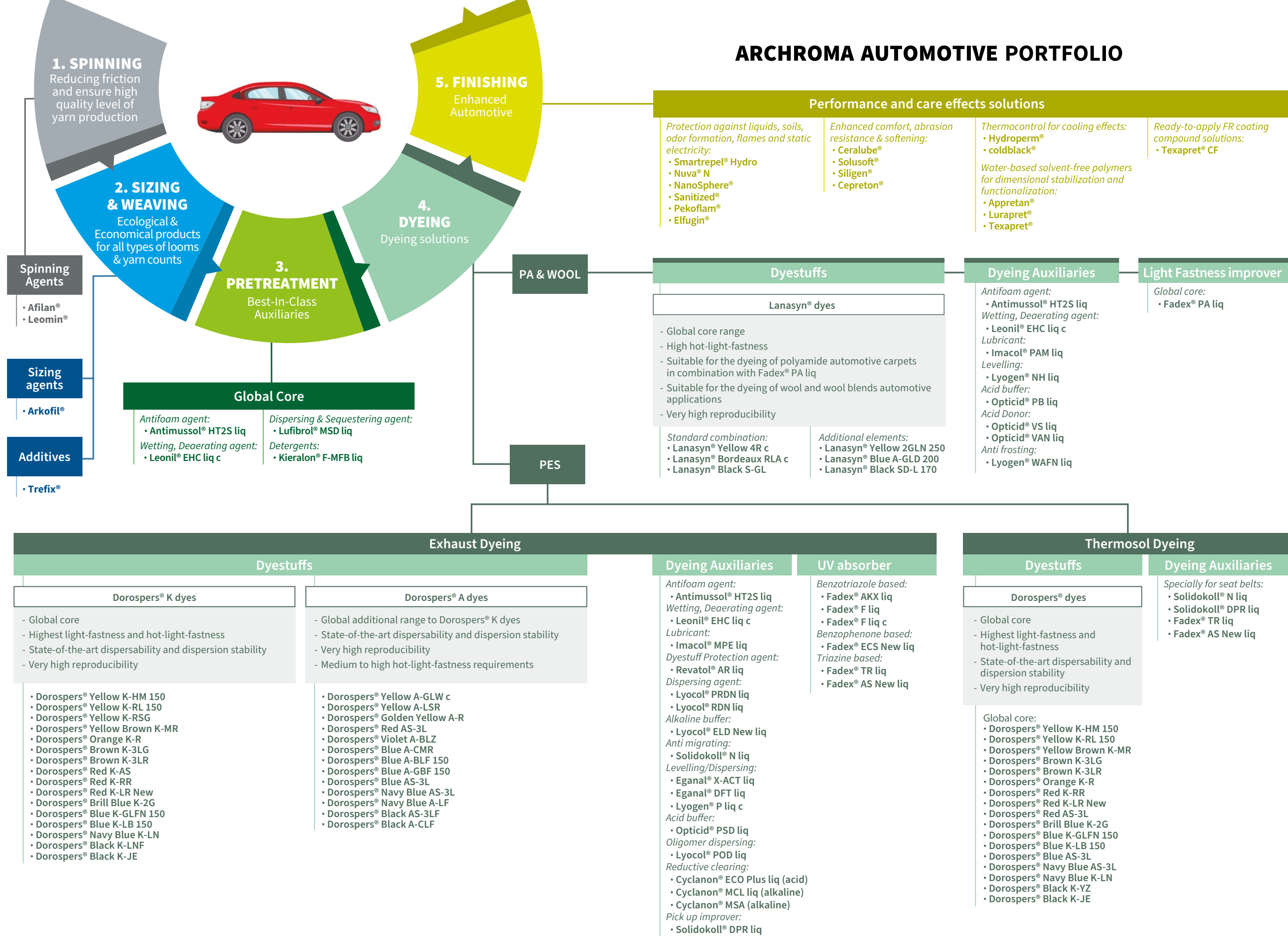
- Protection against liquids, soils, odor formation, flames and static electricity
Smartrepel® Hydro Nuva®N NanoSphere® Sanitized® Pekoflam® Elfugin®
- Enhanced comfort, abrasion resistance & softening
Ceralube® Solusoft® Siligen® Cepreton®
- Thermocontrol for cooling effects
Hydroperm® coldblack®*
- Water-based solvent-free polymers for dimensional stabilization and functionalization
Appretan® Lurapret® Texapret®
- Ready-to-apply FR coating compound solutions
Texapret® CF

Discover more information in our 'Functional Finishing' brochure



* Trademark of Schoeller Technologies - Austria

ARCHROMA AUTOMOTIVE PORTFOLIO





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