LIFE ENHANCED - IT’S OUR NATURE

Corporate presentation
At Archroma, we touch and color people's lives every day, everywhere.
We continuously challenge the status quo in the deep belief that we can make our industry sustainable.
Archroma. A global leader with a trusted heritage.

“We touch and color people’s lives every day, everywhere.”
A trusted heritage

1886
Foundation Kern & Sandoz (dyes)

1995
Specialty chemicals to Clariant spin-off and IPO

1997
Acquisition of Hoechst Specialty Chemicals

2013
Textile, paper and emulsions businesses are acquired by SK Capital Partners and become Archroma

2014
Acquisition of 49% M. Dohmen

2015
Acquisition of BASF textile chemicals business

2017
Acquisition of 26% M. Dohmen
A global leader in specialty chemicals across the textile, paper and emulsions sectors

/ **Brand & Performance Textile Specialties (BPT)**
Global leader in textile chemicals and dyes

/ **Packaging & Paper Specialties (PP)**
Leading provider of colorants, optical brightening agents, process and surface chemicals

/ **Coatings, Adhesives & Sealants (CAS)**
Leading provider of specialty emulsions to paints, adhesives, construction and the textile, leather and paper sectors
A global player, part of the SK Capital team
Archroma. A brand, a promise.

“We touch and color people’s lives every day, everywhere.”
Archroma. Life enhanced.

**WHY**

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

**Purpose**

We touch and color people’s lives every day, everywhere.

**Vision**

We are passionate to deliver leading and innovative solutions, enhancing people’s lives and respecting our planet.

**Mission**

We are growing business by leveraging local entrepreneurship and our global organization in a collaborative way. We enable our customers to win in their market, we push limits to outperform and we never give up!

**Proposition**

We deliver specialized performance and color solutions to meet customers’ needs in their local markets and achieve a fair value for our shareholders and stakeholders in return.
Introducing Archroma

Leading specialty chemicals company
Foundation

- Best in class **technologies, expertise, and people**
- **Global footprint**, Swiss & German designed assets, with **trusted heritage**

Brand focused marketing company
Execution/outcome

- **Brands** and **consumers** intimacy
- **Solutions focus** for **value creation** and **sustainability**
Archroma. Established businesses and products

“We touch and color people’s lives every day, everywhere.”
Businesses

Brand & Performance Textile Specialties
From fiber to finish, Archroma’s Brand & Performance Textile Specialties Business plays a key role throughout the entire textile supply chain, with special chemicals for pretreatment, dyeing, printing and finishing of textiles. Our product packages enhance the properties of apparel and other textiles in applications as diverse as high fashion, home textiles and special technical textiles.

Packaging & Paper Specialties
Archroma's Packaging & Paper Specialties Business provides expertise in the management of whiteness, coloration, special coatings and strength for all kinds of papers. By combining our focused product range with the application services of our paper experts around the globe, we enhance both the optical and functional properties of packaging, paper and tissue.

Coatings, Adhesives & Sealants
From paints, adhesives and construction to the textile and paper industries, Archroma’s Coatings, Adhesives & Sealants Business provides solutions for a wide range of applications. Literally thousands of satisfied customers have been witness to the outstanding success of Archroma’s Mowilith® emulsions since its first patent was obtained in 1912.
Brand & Performance Textile Specialties

Key markets:
- Apparel, casual & denim, outdoor – Includes clothing of all types and fashions
- Automotive & transportation – Fabrics in hard-wearing transport applications (planes, buses and trains)
- Home textiles – Such as towels, drapes, linens, furniture fabrics
- Technical textiles & nonwovens – Such as automotive, medical, construction, industrial, carpet

Key products:
- ONE WAY – Sustainability service
- Advanced Denim – Water saving dyeing technology for denim
- Denisol® Indigo 30 liq - pre-reduced liquid indigo solution
- Drimaren® - Reactive dyes for cellulosic coloration
- EarthColors® – A range of textile dyes made of agricultural waste and fully traceable from the source to the shop
- Foron® - Disperse dyes for highest wash and light fastness
- Inkpresso® - A breakthrough system allowing textile digital printers to produce their inks on site and on demand
- NanoSphere® and coldblack® - Innovative functional effects
- Nuva® N – C6 technology based repellency and release
- Nylosan® - Acid dyes for polyamide coloration
- Sanitized® - Antimicrobial protection
- Smartrepel® Hydro - Non-fluorine water repellent protection
Packaging & Paper Specialties

Key markets:
• Packaging and board
• Printing and writing
• Coated paper
• Tissue and toweling
• Nonwovens and specialties
• Newsprint

Key products:
• Coloration: Carta® & Cartasol® direct dyes, Cartazine® basic dyes, Diressul® sulfur dyes, Cartaren® & Flexonyl® pigment preparations, security effects
• Whiteness: Leucophor® optical brightening agents, shading dyes & pigments, quenching agents
• Surface & coating: Cartabond® crosslinkers, Cartaguard® fluorochemicals & Cartaseal® barrier additives, Cartacoat® rheology modifiers
• Process chemicals: Cartafix® dye fixatives, Cartaspers® deposit control, Cartabond® wet & dry strength resins, Cartafen® retention control, Antimussol® defoamers
Coatings, Adhesives & Sealants

Key markets:
- **Paints** - Decorative interior/exterior, primers, varnishes, industrial applications
- **Construction** - Concrete applications, roofing, tiling, sealants, primers, mortars admixtures
- **Adhesives** - Wood, paper, lamination, packaging and Pressure sensitive adhesives
- **Specialties** - High performance products, special market niches, nanotechnology, eco-advanced products (low emission concepts)
- **Others** - Emulsions for a wide range of functional effects and coatings in the textiles and paper industries

Key products:
- Mowilith® used in paints, construction, adhesives and specialties
- Mowicoll® used in adhesives
- Appretan® Emucryl® and Printofix® binder used in textiles
- Cartaseal®, Cartacol® and Cartacoat® used in paper
- Major monomer systems include: vinyl acetate, acrylates, styrene and other specialties
Archroma. Global footprint and technology.

“We touch and color people’s lives every day, everywhere.”
A company with a global footprint

Well-balanced manufacturing and sales footprint + World-class facilities with specialized capabilities = Aligned with market requirements and customer demand
Archroma presence worldwide
Global presence / Sales by region

Americas 1/3 of sales
EMEA 1/3 of sales
Asia 1/3 of sales
Global presence / Corporate headquarters
Global presence / Regional offices
Global presence / Production facilities
Global presence / Innovation & safety labs
Global presence / Technical service centers
Global presence / Color Management centers
Key production sites well positioned in the main markets

Over 680,000 tons nameplate capacity across 24 manufacturing sites

**Martin, United States**
- Capacity: 80 kmt p.a.
- Owned/Leased: Owned
- Businesses: Textiles, Paper
- Capabilities: 80 skilled Employees, Synthesis (30+ Reactors), Liquid Formulations, Utilities incl. WWTP, Process Improvement Lab, Warehouse

**Prat, Spain**
- Capacity: 50 kmt p.a.
- Owned/Leased: Owned
- Businesses: Textiles, Paper, Emulsions
- Capabilities: 220 skilled Employees, Synthesis (50+ Reactors), Liquid/Powder Formulations, Utilities incl. WWTP, Process Development Lab, Warehouse

**Resende, Brazil**
- Capacity: 40 kmt p.a.
- Owned/Leased: Owned
- Businesses: Textiles, Paper, Emulsions
- Capabilities: 170 skilled Employees, Synthesis (50+ Reactors), Liquid/Powder Formulations, Utilities incl. WWTP, Process Improvement Lab, Warehouse

**Tianjin, China**
- Capacity: 40 kmt p.a.
- Owned/Leased: Owned
- Businesses: Textiles, Paper, Emulsions
- Capabilities: 270 skilled Employees, Synthesis (40+ Reactors), Liquid/Powder Formulations, Utilities incl. WWTP, Process Development Lab, Warehouse
One global technology platform / with 26 production sites
One global technology platform / With specialist technologies
One global technology platform / Serving many applications

Dyes
Emulsions
Pigment dispersions
Polymer dispersions
Optical brighteners
Fluorinated polymers
Silicones
Surfactants
Glyoxal Resins
Flame Retardants
Hygienic products (Sanitized®)

Fibers
Fabrics
Paper
Packaging
Tissue paper
Pulp
Coatings
Paints
Adhesives
Construction
Technology improving many end products / Dyes

Foron®

Cartasol®
Technology improving many end products / Fluorinated polymers

Fluorinated polymers

Nuva® N

Cartafluor®
Technology improving many end products / Emulsions

Emulsions

Appretan®

Mowilith®

Cartacoat®
Technology improving many end products / Optical brighteners

Hostalux®, Leucophor®

Leucophor®
Archroma. A proven innovation power.

“We touch and color people’s lives every day, everywhere.”
A company with proven innovation power / Advanced Denim

- Proprietary Pad/Sizing-Ox process with Diresul®
  RDT sulfur dyes:
  - 90% water
  - 30% energy
  - 87% cotton waste

- EU Eco-label 2011, 2012 ICIS Innovation Award
  and Sustainability Innovation Award
EarthColors - Traceable from nature to fashion

- Warm ternary shades from nature
- High-performance colors synthesized from the non-edible shells of nuts and leaves
- Transformed natural waste-based colorants
- Traceability with NFC technology
A company with proven innovation power / Inkpresso® for textile digital printing

Developed with Ink-Situ Swiss technology provider, Inkpresso® brings ink manufacture back to the printers

• Mix your own ink on site and on demand

• Access benefits that were unattainable so far in inkjet printing:
  - Production flexibility and no shelf-life problems
  - Larger color spectrum, possibility of individual coloristic fingerprint
  - Reduced transport costs and environmental impact
A company with proven innovation power / Nuva® N, PFOA-free* C6–based chemistry

- EPA voluntary global stewardship elimination program of PFOA from manufacturing emissions and products by 2015
- C6 next-generation PFOA-free* fluorochemical alternatives first introduced in 2006
- Uncompromised repellency of water, oil and soil, as well as soil release effects
A company with proven innovation power / SmartRepel® for non-fluorine solutions

New Smartrepel® Hydro keeps outdoor clothing dry and nature cleaner

- Nature-friendlier water repellent protection with high wash resistance for cotton and synthetic fibers and their blends

- New generation of non-fluorine chemistry that meets criteria for PFC-free finishes and clothing: compliant with ZDHC MRSL and Oeko-Tex® standard; blue-sign® approved
A company with proven innovation power / New food compliant colorants for tissue

- New food compliant grades developed to comply with European regulations* setting extremely low limitations for DEA and TEA contents in paper and board intended for food contact applications

- A new palette of safer grades that will help tissue paper makers create the exciting colors that the consumers are longing for
A company with proven innovation power / Introducing a new generation of high-strength, urea-free disulphonated OBAs

Reduce your carbon footprint by switching to Leucophor® ACK

- Highly concentrated disulphonated OBA with advantages of reduced transportation and handling:
  - Reduced carbon dioxide effect by estimated 42 tons per year\(^2\)
  - Up to 40% reduction in OBA demand in a wet-end application
- Unique in strength and chemistry
- Free-flowing liquid at room temperature
- Urea- and glycol-free. Registered under REACH
- Application cost advantage over existing chemistry
A company with proven innovation power / Terpolymers for construction

- Eight new terpolymers to be used as elastomeric roof and floor coating, elastomeric waterproof membranes for water pipes and storage basins and as elastomeric mortar modifier launched in 2012
- Commitment to technological development for the construction industry
- Only known producer of terpolymer emulsions powder in LATAM
A company with proven innovation power / Mowilith® POWDER 2702

- Ground-breaking innovation to support the introduction of highly-practical and sustainable 1K (one-component) premium-performance waterproofing mortars for building and construction applications.
- Enhanced waterproofing performance in comparison to both traditional 2K (two-component) systems and to other polymers available for waterproofing mortars
- Meets the requirements for being approved to potable water reservoirs. Qualifies for Archroma’s low emission concept, being APEO-free, solvent-free, ammonia-free, low odor, low VOC and low in formaldehyde content.
Archroma. A recognized commitment to sustainability.

“We touch and color people’s lives every day, everywhere.”
Commitment to sustainability

• Strong support for and focus on **compliance to eco-standards**:
  
  • Bluesign®  
  • Cefic  
  • ETAD®  
  • EU Ecolabel  
  • FluoroCouncil  
  • GOTS  
  • Nordic Swan  
  • Oeko-Tex®  
  • SAC  
  • SDC  
  • Textile Exchange  
  • TEGEWA  
  • The Blue Angel  
  • UNGC  
  • ZDHC  
  • TSCA  
  • FDA  
  • BfR  
  • REACH

• Committed to Safety, Environment & Health as a **fair and responsible company** and **employer**
Industry recognition

• Award-winning innovation:
  • 2017 Gold Winner at the OutDoor Industry Award 2017, Sustainable innovations Category, for EarthColors
  • 2014 Corporate Water Stewardship Award (Global Water Summit) for our SET Sustainable Effluent Treatment Facility in Pakistan
  • 2013 ICIS Innovation Award for our ONE WAY Sustainability Service
  • 2012 ICIS Innovation Award for Advanced Denim dyeing
  • 2007 EPA “P2 Recognition Project” Award for deposit control agent Cartaspers® PSM, a product used in paper manufacturing

• Certified quality, environmental and safety management:
  • 2016 WWF Pakistan Eco-innovation Award For Sustainability Initiatives
  • Global certification to ISO 9001, ISO 14001 and OHSAS 18001 (Occupational Health and Safety Assessment Series)
Leading the way towards zero discharge – Archroma’s Sustainable Effluent Treatment facility in Jamshoro, Pakistan

- Presence since 1970 in a region under severe water stress
- A substantial investment (c. $3.5 million US) made in 2010
- A unique combination and sequence of treatment techniques to recover water, return it in the production facility and significantly reduce our demand from local water supplies
- 1,200 and 1,300 cubic meters of effluent generated daily passing through treatment
- 3 to 4 tons dried sludge incinerated to create steam used in the production facility

→ Reduced steam energy and reclaimed water for Jamshoro
Archroma. Looking towards the future.

“We touch and color people’s lives every day, everywhere.”
An industry with exciting challenges and opportunities

Sustainable products and processes
• Increasing demand for eco-friendlier chemicals and dyes
• Growing awareness of environmental impact
• Compliance with regulations and standards

Cost optimization in end markets
• Ongoing restructuring by developed market players
• Relocation to lower cost regions
• Production outsourcing to Asian producers

End user driven innovation
• Globalization and urbanization
• Increasing standards of living and consumption in emerging markets
• Growing recycling trend
A company fit to meet its ambitions

Front runner in **product quality** and **stewardship**

Engaged and **talented people** and **experts**

Global production **network**

Unique **technology** synergy

Continuous **innovation** pipeline

A long **history of material excellence** and **expertise**
Leadership team with significant experience in the chemicals and process industries

Alexander Wessels  
Chief Executive Officer (CEO)

Roland Waibel  
Chief Financial Officer (CFO)

Stephan Sielaff  
Chief Operating Officer (COO)

Hans Lourens  
General Counsel

Marcos Furrer  
President BPT, PP, CAS and Innovation

Miguel De Bellis  
President Region Americas

Michel Zumstein  
President Region Asia

Beate Plueckhan  
President Region EMEA
THANK YOU