

PACKED WITH EXPERTISE

ACTEGA Show News Interpack 2023

ACTEGA AT A GLANCE

PACKED WITH EXPERTISE

ACTEGA is a division of the internationally operating specialty chemicals group ALTANA. With production facilities in Europe, North and South America and China, ACTEGA develops, produces and distributes specialty coatings, inks, adhesives and sealing compounds with a focus on the packaging industry. Following the motto "Packed with Expertise", ACTEGA does not only offer technically sophisticated product solutions, but also meets the high safety standards of the food, beverages, pharmaceutical and toy industries. Whether for flexible and metal packaging, folding cartons or labels, products by ACTEGA provide packaging with a high-quality appearance and innovative functionalities.

BRAND PROMISE AND VALUES

Our brand identity goes far beyond the product. It is oriented towards the needs of our customers. We think and act innovatively, are agile and create value. To achieve this, sustainability, regulatory compliance and high safety standards form the guidelines for our daily actions.



FLEXIBLE PACKAGING AT A GLANCE

PRODUCTS FOR FLEXIBLE PACKAGING AND LABELS

ACTEGA develops, produces and distributes coatings, adhesives and printing inks for flexible packaging made of paper, plastic and aluminium foil. The portfolio includes solutions for food, beverages, pet food, cosmetics, pharma and household products along with industrial applications. Our products do not only fulfil numerous functions around the protection of the filling good, but also provide the packaging with a high-quality appearance. Production facilities in Europe, the Americas and China ensure that the portfolio is available worldwide.

SAFETY FOR CONSUMERS AND THE ENVIRONMENT IS OUR PRIORITY

Every raw material used in our products has been tested for safety according to all applicable positive lists and guidelines worldwide. For new coating developments, these tests are supplemented by an external assessment to ensure that they are suitable for highly regulated markets such as food and pharmaceuticals.

COLORS ARE OUR PASSION

In addition to a protective function, packaging must also fulfill various design aspects. Brand owners use the power of colors and design to consistently implement their brand strategy. ACTEGA develops almost any color shade exactly according to the customer's color template.

FLEXIBLE PAPER & PLASTICS

Applications	Product Types	Printing Processes	Products
Sachets, Pouches & Bags Plastic Tubes Secondary Packaging	Primers Decorative Coatings Matte & Gloss Coatings Effect Coatings Functional Coatings Heat-Seal Coatings Laminating Adhesives	Roller Coating Gravure Printing Flexo Printing	Coatings (AQ, UV, SB, LED-UV) Adhesives (SB, SF)

ALU FOIL

Applications	Product Types	Printing Processes	Products
Portion Packs for Beverages Human and Pet Food Containers Lids Wrappers & Innerliners Blisters	Primers Functional Coatings Decorative Coatings Heat-Seal Coatings Laminating Adhesives Matte & Gloss Coatings Effect Coatings	Roller Coating Gravure Printing	Coatings (AQ, SB) Adhesives (SB)

LABELS

Applications	Product Types	Printing Processes	Products
Pressure Sensitive Labels Shrink Sleeves Wet Glue Labels Wrap Around Labels In Mold Labels	Matte & Gloss Coatings Functional Coatings Effect Coatings Primers Inks Laminating Adhesives	Narrow Web Flexo Screen Digital	Coatings (AQ, UV, LED-UV, HUV, EB) Inks (AQ, UV, LED-UV) Adhesives (UV, LED-UV)

ACTESEAL® PVC-FREE HEAT-SEAL LACQUERS FOR COFFEE CAPSULES

IMPROVED RECYCLABILITY – SAME PERFORMANCE

PVC is not only a controversial issue in the packaging industry. Aluminum capsules coated with PVC-containing coatings are more difficult to recycle than PVC-free systems. In addition, the use of PVC-containing solutions is likely to be subject to further regulatory bans. ACTEGA has developed new heat-seal lacquers for coffee capsules that do not contain PVC and thus make a significant contribution to environmental protection.



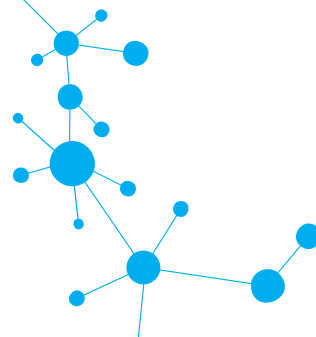
PROPERTIES OF ACTESEAL® HEAT-SEAL COATINGS

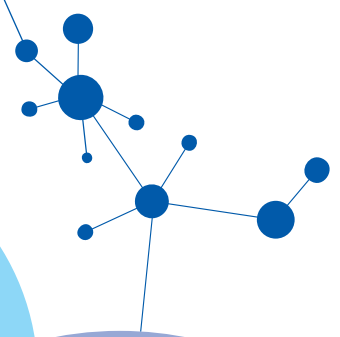
- Long durability
- Low migration, suitable for legally compliant food packaging
- Suitable for direct food contact
- Good sealing even under the pressure of the brewing process
- Protection of the coffee aroma from external influences such as oxygen, light and moisture
- Highest flexibility and formability
- Low odor and colorless

ADVANTAGES FOR OUR CUSTOMERS

- More sustainability through improved recyclability
- Proactive consideration of expected regulatory restrictions
- No special/ additional equipment necessary (processing on existing machines)
- Technical advice regarding optimal setting of application parameters ensures highest quality standards
- Worldwide availability

DISCOVER ALL PRODUCT FEATURES:





GALACRYL® SOFT-TOUCH COATINGS FOR TUBES

HAPTIC EFFECTS LEAVING A LASTING IMPACT

Tubes play an important role in the cosmetics industry when it comes to appealing product presentation that also meets the requirements of sustainable packaging. With the new water-based UV-DualCure technology, we have succeeded in developing the world's first decorative coating with a soft-touch effect, which impresses haptically with a particularly soft texture and is scratch and abrasion resistant at the same time.

PROPERTIES OF GALACRYL® SOFT-TOUCH COATINGS

- Long durability (scratch and abrasion resistant)
- Low migration, suitable for the outside of food packaging that complies with legal requirements
- Appealing matte degree
- Hot or cold foil stamping
- Can be overprinted and overpainted
- Low odor and colorless

ADVANTAGES FOR OUR CUSTOMERS

- Realization of high-quality brand owner designs
- Wide range of application possibilities
- No special/ additional equipment necessary (processing on existing machines)
- Technical advice regarding an optimal setting of the application parameters
- Worldwide availability

DISCOVER ALL PRODUCT FEATURES:



ACTECOAT® EFFECT COATINGS FOR FLEXIBLE PACKAGING

PREMIUM EFFECTS THAT PACK A PUNCH

Effect coatings not only give packaging a premium look, they also offer brands the opportunity to enhance the intuitive perception of a product's benefits and value. Our ACTEcoat® portfolio now offers four new effect coatings, from matte to gloss and paper-touch effects. These over-print varnishes feature high scratch and chemical resistance and are individually customizable.

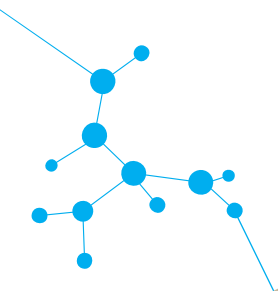
PROPERTIES OF ACTECOAT® EFFECT COATINGS

- Good adhesion to all common substrates (paper, aluminum as well as all common plastic films such as OPP, PET, PE)
- High abrasion and scratch resistance
- High resistance to aggressive filling materials
- Suitable for indirect food contact

ADVANTAGES FOR OUR CUSTOMERS

- Realization of high-quality brand owner designs
- Flexible use for gravure and flexographic printing as well as in combination with digital printing
- Effect individually adjustable (up to extreme effects such as sand touch effect)
- Can be applied with existing machines and cylinders (no additional drying unit required)
- Single and two-component systems available

DISCOVER ALL PRODUCT FEATURES:



PAPER & BOARD AT A GLANCE

PRODUCTS FOR PAPER & BOARD

ACTEGA develops, produces and sells coatings, primers, printing inks and auxiliaries for the packaging and graphic arts industries. This includes paper and board packaging, such as folding cartons and corrugated board, as well as publications and commercial prints. With production sites in Europe, North and South America and China, ACTEGA serves customers in more than 100 countries worldwide.

WHAT YOU CAN EXPECT FROM US

A focus on sustainability:

Product solutions that have themselves been sustainably formulated or enable the production of more sustainable end products (fulfilment of sustainability goals).

Support of our customer's innovation power:

Broad product range and differentiation through high-quality finishing while investing heavily in new technologies.

Product safety and reliability:

In-house analytics and regional experts for product safety providing reliable knowledge of regulations and legal requirements in individual countries.

Increasing our customer's performance:

More safety on the press and faster press speeds.

A global presence, but dedicated local services:

ACTEGA production setup on almost all continents with a global reach for customers groups.

PAPER-BASED PACKAGING

Applications	Product Types	Printing Processes	Products
Folding Carton Corrugated Board Blister Other Paper-based Packaging	Matte & Gloss Coatings Functional Coatings (barrier, heat-seal, anti-slip, etc.) Effect Coatings (tactile, metallic, pearlescent, etc.) Primers Inks (CMYK, spot colors, metallic, fluorescent) Laminating Adhesives Pressroom Chemicals	Sheetfed Offset (coating unit, ink duct) Flexo (pre-print/post-print) Gravure Screen Various Coaters Analogue, (true) digital, inline/offline	Coatings (AQ, UV, LED-UV, HUV, EB, SB, OB) Inks (AQ, UV, LED-UV, OB) Adhesives (UV, LED-UV, SB) Auxiliaries

PUBLICATION & COMMERCIAL

Applications	Product Types	Printing Processes	Products
Publications Commercials Playing Cards Photo Products	Matte & Gloss Coatings Functional Coatings (encoding, anti-slip, release, etc.) Effect Coatings (tactile, metallic, pearlescent, etc.) Scratch-off Coatings & Security Coatings Primers Inks (CMYK, spot colors, metallic, fluorescent) Pressroom Chemicals	Sheetfed Offset (coating unit, ink duct) Web Offset Flexo (pre-print/post-print) Gravure Screen Analogue, (true) digital, inline/offline	Coatings (AQ, UV, LED-UV, HUV, EB, SB, OB) Inks (AQ, UV, LED-UV, OB) Adhesives (UV, LED-UV, SB) Auxiliaries

TOBACCO

Applications	Product Types	Printing Processes	Products
	Matte & Gloss Coatings Metallic Inks	Sheetfed Offset (coating unit, ink duct) Flexo Gravure	Dedicated portfolios of AQ and UV coatings as well as UV and SB metallic inks

PAPER & BOARD PRODUCT HIGHLIGHTS

SUSTAINABILITY AND BARRIER PERFORMANCE IN PACKAGING

ACTGREEN® BARRIER COATINGS



ACTGreen®
Barrier Coatings

Substances such as oil, fat or water have a strong influence on the quality of packaging. They attack the substrate, can damage the printing ink or impair the contents. A barrier is therefore essential in many cases. Until now, multiple layer substrates have generally been used as a barrier for packaging. However, poor recyclability is a major drawback in terms of sustainability. Above mentioned substrates are increasingly falling into disrepute and subject to ever more comprehensive regulation. At the same time, legal requirements for the recycling or disposal of such production materials represent a major challenge for many processing companies.

As a sustainable alternative, ACTGreen® Barrier Coatings include both water-based barrier coatings and aqueous TPE dispersions as coating or binder systems (YUNICO®) for various applications and end uses.

YOUR BENEFITS AT A GLANCE

Demonstrably sustainable:

By meeting upcoming regulatory requirements in terms of packaging waste and recyclability.

Recycling:

Simple and sustainable recycling of end products.

Simplified production process:

All-time availability by adding value on-site.

Time saving:

Faster delivery due to standardized material.

Cost optimization:

From paper production to recycling – more cost-effective as the recycling process is simplified.

Supply chain optimization:

No storage necessary and just-in-time production.



*“Let us make
the world a
little bluer!”*



SUSTAINABILITY AT ACTEGA

A BLUE WORLD COMMITTED TO SUSTAINABILITY

Our commitment to sustainability drives us to not only operate sustainably as a business ourselves, but to ensure that we are taking steps to support a sustainable future for our customers and the packaging industry as a whole. We take a holistic approach to achieving this goal, looking at all aspects of what it means to offer a sustainable solution. This results in the extensive range of products you see today, and those in development for tomorrow, that put consumer safety, environmental health and packaging recyclability at the forefront, without compromising the product quality ACTEGA is known for.

“ACTEGA strives to develop sustainable solutions for all relevant markets in which we operate.”



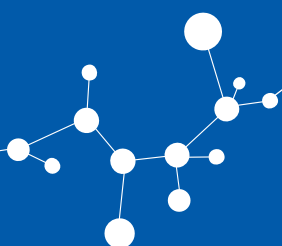
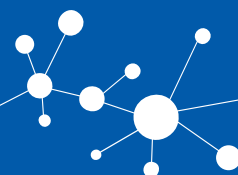
Dennis Siepmann
Global Head of Sustainability at ACTEGA

EXPLORE HOW OUR SOLUTIONS CAN MAKE THE WORLD A LITTLE BLUER

ACTEGA touches the lives of billions of people every day – without them noticing. What they also don't see: How we make this world a little better with our sustainable and unique solutions.

Knowing that our solutions help to facilitate packaging recycling, reduce material and waste, lower energy consumption or increase process efficiency makes your favorite food or beverage even more enjoyable.

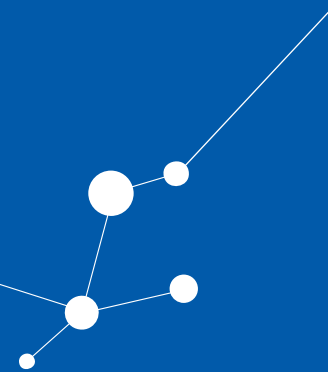
At ACTEGA, we take our responsibility to society and the environment seriously. Based on our overarching expertise in chemistry, formulation and application, we develop innovative and safe solutions on a daily basis.



For us sustainability is not just a new trend or a single initiative, it's a driving principle that has been and will continue to be in our DNA. This is also reflected in the numerous certifications and ratings we have received over the years, and which are proof of our efforts and commitment.

Prominent examples are our many ECOVADIS certifications and Material Health Certificates, using the globally recognized material health assessment methodology of the Cradle to Cradle Certified™ Product Standard.

ACTEGA offers a broad portfolio of solutions focused on sustainability. This includes products that have themselves been sustainably formulated, as well as products that contribute to more sustainable end products. Alongside these are innovative technologies that combine sustainability with a high-quality product decoration.



We understand sustainability as an important driver for innovation. At ACTEGA, we contribute to conserving resources and designing better processes. We help our customers to produce with low emissions and increase the safety of their products.

This means, for example, displacing PE extruded material with water-based barrier coatings.

It may also mean saving packaging material wherever possible, as this can have a positive impact on the carbon footprint, too. Less material equals energy savings, hence reduced emissions from transport.



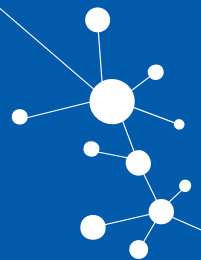
We understand that the most impactful solutions need to deliver value to our customers while being responsible stewards of our natural resources.

It seems like a big challenge, but together we can build a better tomorrow.

Let us make the world a little bluer!



WATCH THIS INSPIRING FILM RIGHT HERE AT OUR BOOTH
OR VISIT US ON OUR WEBSITE:



SUSTAINABILITY FACTS GOOD TO KNOW

CERTIFICATIONS, AWARDS AND RATINGS UNDERLINE ACTEGA'S SUSTAINABILITY AMBITIONS

Apart from numerous certificates in the area of energy, quality, environmental and occupational health and safety management (management audits), certifications, awards and ratings underline ACTEGA's sustainability ambitions:

- Material Health Certifications (C2C Certified Product Standard)
- EcoVadis
- Responsible Care initiative

DISCOVER ALL CERTIFICATES HERE:



AT ACTEGA, WE SEE RECYCLING AS A KEY MOVEMENT AND BELIEVE IN PARTNERSHIPS.

ACTEGA actively participates in the 4evergreen alliance.

- Research of recycling properties for refined paper and board
- Impact of coatings, inks, varnishes on recycling performance
- Publication of design guidelines to support recyclability

DISCOVER 4EVERGREEN:



LET'S ACT! EMPLOYEE INITIATIVES THAT MAKE A DIFFERENCE

Not only ACTEGA as a division focuses on sustainability, but also the individual ACTEGA sites develop and implement numerous projects to improve their ecological footprint and contribute to a more sustainable future. Examples include the installation of solar panels, the greening of sites or the keeping of bee colonies.

DISCOVER LET'S ACT:



OUR WAY TO CARBON NEUTRALITY

ACTEGA as part of the ALTANA group is consistently pursuing a demanding sustainability course. Thus, by 2025, we will reduce our CO₂ impact from production and energy procurement to zero worldwide.

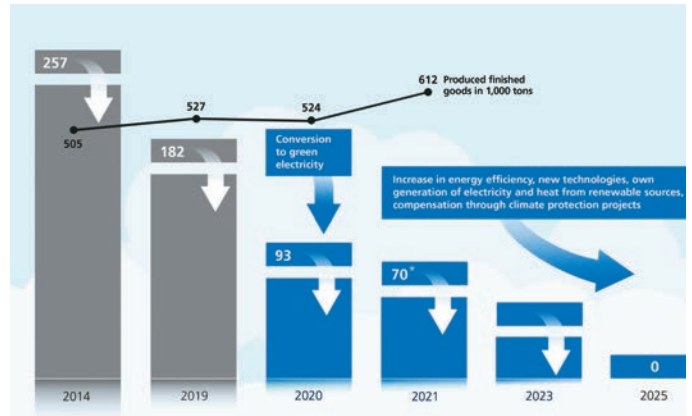
Already in March 2020, the power supply at all ALTANA locations was converted to renewable energies. ALTANA will compensate for the unavoidable use of natural gas until 2025 by financing equivalent climate protection projects in the regions where CO₂ emissions are generated. The same applies to offsetting CO₂ emissions arising from necessary business trips, company cars, and the transport of goods. The specialty chemicals group will thus achieve climate neutrality in its direct sphere of influence by 2025.

Find out more and learn about the measures we take on our path to achieve climate neutrality.

DISCOVER MORE:



ALTANA TO BE CO₂-NEUTRAL BY 2025



PAPER & BOARD PRODUCT HIGHLIGHTS

FROM STANDARD AND ALL-ROUNDERS TO PREMIUM SOLUTIONS

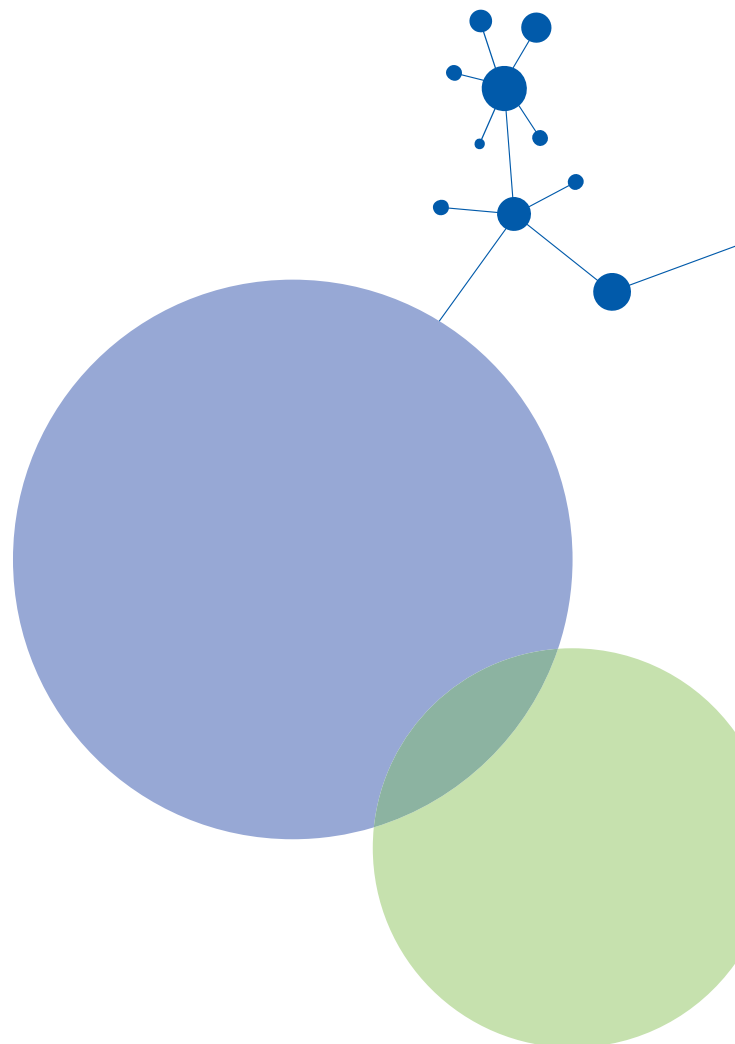
ACTGREEN® SUSTAINABLE COATINGS

ACTGreen® Sustainable Coatings is a sustainable portfolio of overprint varnishes for the use on folding cartons, publications and commercial prints. This includes both products based on recycled raw materials of fossil origin and bio-based materials as well as coatings based on renewable resources in the form of vegetable resins.

DISCOVER OUR WHITE PAPER:



ACTGreen®
Sustainable Coatings



PAPER & BOARD PRODUCT HIGHLIGHTS

METALLIC EFFECTS THAT INSPIRE!

Premiumization for your paper and board packaging.

WESSCO® POLAR UV SILVER COATINGS

As the importance of sustainable packaging is increasing, many companies are already looking for alternatives to film in order to avoid plastic waste and simplify the recycling process.

Our WESSCO® POLAR UV silver coatings are an excellent economical alternative to metallized board and hot or cold foil stamping. The highly reflective, brilliantly glossy surfaces are comparable in effect. Moreover, our coatings offer greater flexibility, efficiency and improved sustainability.

Processed in an inline printing process, they can be overprinted with suitable inks.

WHAT YOU CAN EXPECT FROM WESSCO® POLAR

Premiumization:

A high value finishing and the premiumization of printed products.

Sustainability:

In contrast to film technology, less material waste. No plastic film that negatively influences the recycling process.

Cost optimization:

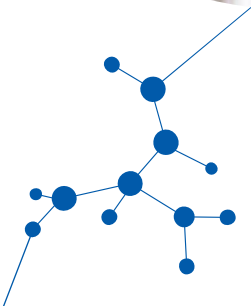
Less costs as no metallized board is required.

Improved processes:

Avoidance of long material ordering and delivery periods. Free substrate selection. Reduced waste processes.

Improved performance:

Hot foil usually must be applied in an additional step.



LABELS PRODUCT HIGHLIGHTS

Discover our LED-UV Coating Solutions for Labels, Shrink Sleeves and Narrow Web Pouches!

LED-UV COATINGS

LED-UV technology combines all advantages of traditional UV printing; however – compared to conventional lamps – without the emission of ozone or the use of mercury vapor lamps. Overprint varnishes are indispensable in LED-UV printing, too. They finish printed products with valuable visual effects and differentiate the brand from competition.

ADVANTAGES OF LED-UV COATINGS

- Immediate curing despite low radiant energy
- Application is emission-free (ozone)
- Energy savings
- Consistent intensity and longer lifespan of lamps
- Limited heat generation

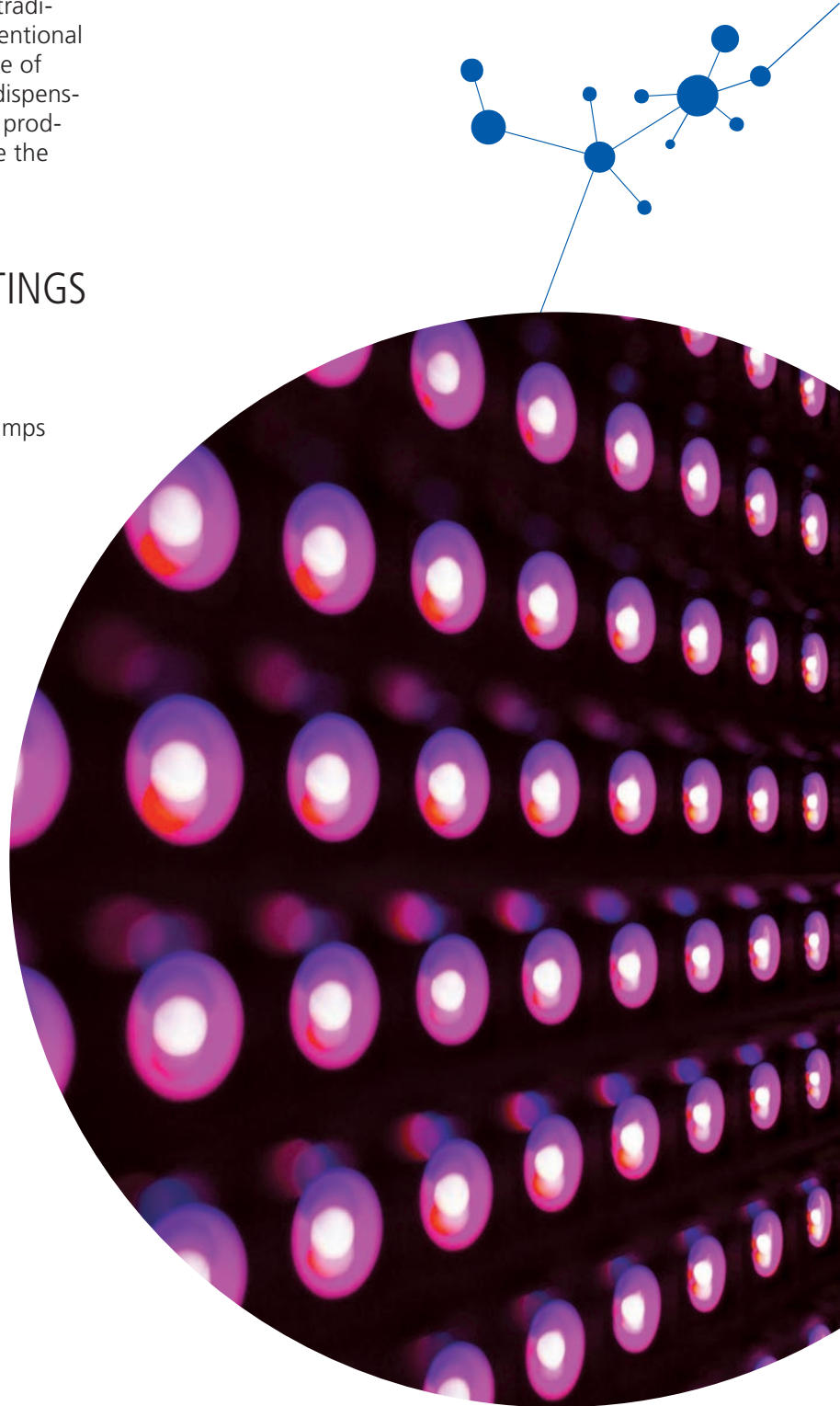
COATINGS

- LED-UV Matte Coatings
- LED-UV Gloss Coatings
- LED-UV MotionCoat®
- LED-UV Release Coatings

APPLICATIONS

- Pressure Sensitive Labels
- Shrink Sleeves
- Narrow Web Pouches

DISCOVER ALL PRODUCT FEATURES:



LABELS PRODUCT HIGHLIGHTS

GENERATE ATTENTION AND GIVE YOUR SHRINK SLEEVE LABELS THE PERFECT LOOK!

COATINGS, INKS & ADHESIVES FOR SHRINK SLEEVES

ACTEGA has everything you need to print Shrink Sleeves with the highest quality. Our coating and ink systems work on all common substrates including PET, OPS and PVC. We have coatings that provide functional, visual and haptic effects for one-sided or two-sided finishing.

ACTEGA also offers technical solutions to resolve common issues such as slide angle, static, scratch, or adhesion in the manufacturing or bottling process, along with solutions to minimize wet T-shirt effects.

ACTEGA offers a comprehensive range of coatings, inks and adhesives for shrink sleeve end use applications such as beverage, food, health and personal care, pharma, household chemicals and industrial chemicals.

DISCOVER ALL PRODUCT FEATURES:



COATINGS

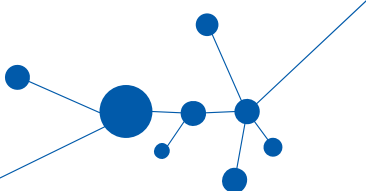
- UV and LED-UV coatings
- Solvent based coatings
- UV low migration coatings
- Hybrid AQ-UV soft-touch coatings
- UV wet-touch coatings to minimize wet T-shirt effects

INKS

- UV opaque white flexo inks
- UV silver inks
- Solvent based silver inks
- UV and LED-UV flexo inks
- ACTExact® UV and LED-UV flexo standard and custom inks
- ACTExact® UV and LED-UV specialty inks

ADHESIVES

- Water-based heat activated adhesive
- Seaming adhesive



AQUAPRINT® COATINGS FOR IN MOLD LABELS

In mold labels (IML) are an ideal alternative to direct printing and other labeling methods. Photo quality graphics create a commanding brand presence.

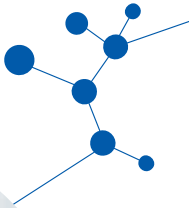
IML OFFERS THE FOLLOWING ADVANTAGES

- Labeling in one step
- High value decoration
- No label look
- Environmentally friendly

AQUAPRINT® WATER-BASED IML COATINGS

- Gloss coatings
- Matte coatings
- Water resistant coatings
- Direct food contact coatings
- Indirect food contact coatings

ACTEGA's Aquaprint® water-based coatings for in mold labels are water-resistant and ideal for food packaging, industrial, household, and cosmetic applications.



The information herein is based on our present knowledge and experience. The information merely describes the properties of our products but no guarantee of properties in the legal sense shall be implied. We recommend that you test our products in preliminary trials to determine their suitability for your intended purpose prior to use. No warranties of any kind, either express or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding any products mentioned herein and data or information set forth, or that such products, data or information may be used without infringing intellectual property rights of third parties. We reserve the right to make any changes according to technological progress or further developments. ACTEGA reserves the right to change or update the information without notice.