

Coatings for

# Paper-based Packaging



# ACTEGA offers innovative specialties for the paper-based packaging industry.

Paper-based packaging protects the filling good and fulfils a transport function. For folded boxes, ACTEGA offers water-based, UV and effect coatings. Specialty coatings that fulfil the high requirements of their industries are also available, e.g. for food or cigarette packaging. Solutions for the application on corrugated board complete our product program.



Folded Boxes  
Corrugated Boxes  
Blister  
Other Paper-based Packaging

# Our product portfolio is consistently tailored to customer requirements.



## Our coating portfolio

Matt & Gloss Coatings		Effect Coatings		Functional Coatings		Primers			
AQ	UV	AQ	UV	AQ	UV	AQ	UV	OB	
High gloss	●	●		Pearlescent	●		Barrier	●	
Gloss	●	●		Luminescent		●	Heat-resistant	●	
Semi-matt	●	●		Metallic	●	●	Blister	●	
Matt	●	●		Drip Off	●	●	Release		●
Dull matt	●	●		Tactile	●	●	Skin	●	
Neutral	●			Structure		●	Anti-slip	●	
				Opaque White	●	●	Anti-sealing	●	
							Anti-curling	●	
							Innerliner	●	
							Encoding	●	
									Primer
									Drip Off Primer

AQ = water-based, UV = UV based, OB = oil-based

## Portfolio according to processes



	Sheet-fed offset		Flexo		Gravure	Screen	Offline	Digital			
	coating unit	ink duct	preprint	postprint				Liquid toner for EP	Dry toner for EP	UV inkjet	Aqueous inkjet
AQ	●	●	●	●	●		●	●	●		●
UV	●	●				●	●	●	●	●	●



# As multilateral as printed products: Our coatings meet all of your needs.

This is a general portfolio description. Please refer to the individual coating in order to receive the real property profile.

## Food, Frozen Food & Dairy Products

- Barrier properties (milk, fat, oil)
- High heat resistance
- High wet block resistance
- High scuff resistance
- Low Cobb-values
- For the direct food contact
- For use on the interior and exterior side



## Dry Food, Dry Beverages & Confectionary

- High heat resistance
- High wet block resistance
- High scuff resistance
- For the direct and indirect food contact
- Foil stampable



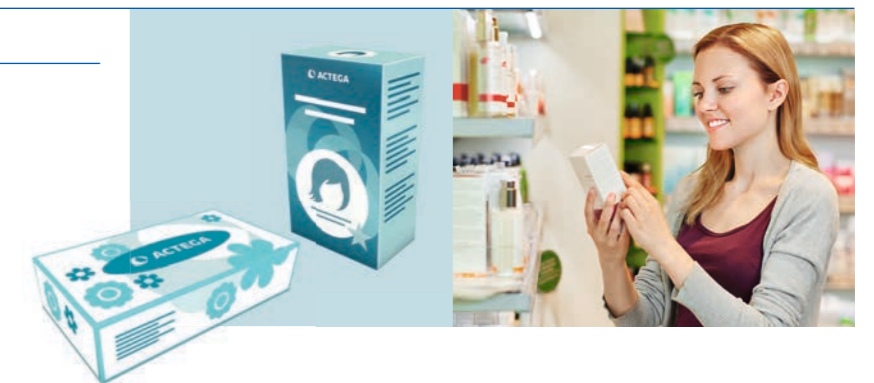
## Beverages (including spirits)

- High block resistance
- High wet block resistance
- Very high scuff resistance
- Very good adhesion (UV)
- Foil stampable
- Glossy or dull-matt appearance
- Tactile and visual effects
- Adjusted slip angle (slippery 12-18°, dull 22-28°)



## Personal Care

- Very high block resistance
- Very high scratch and scuff resistance
- Foil stampable
- Very fast drying or reactivity (UV)
- Very good adhesion (UV)
- Very high gloss or dull matt appearance
- Tactile and visual effects



## Household, Electronics, Other Non-Food

- Barrier against alkali (detergent)
- Good scratch and scuff resistance
- Fast drying
- Foil stampable
- Good gloss
- Products for blister packaging available (heat and ultrasonic sealing)
- Approved for the use on toy packaging



## Tobacco

- Odor-neutral and smoke-taste-neutral
- Very good scratch and scuff resistance
- Very fast drying
- Foil stampable
- Good gloss
- Adjusted slip angle
- Anti-sealing against film
- Free of ammonia
- Approved by key tobacco producers



## Health Care

- High scuff resistance
- Adjusted slip angle (slippery 17-19°, dull 24-26°)
- Suitable for encoding with water-based inkjet inks
- Glueable with dispersion adhesives



## Discover our selection of innovative brands.

### FoodSafe

Our leading brand of coatings for food packaging. FoodSafe coatings fulfil applicable food packaging regulations. They are not only low migration, but certified for the direct contact to dry and fatty foodstuffs. Moreover, they comply with the Swiss Ordinance.

### TerraGreen®

Our brand of coatings based on renewable resources. Other than traditional water-based coatings, based on petroleum derivatives, TerraGreen focuses on resins and waxes from nature. In its resource base, TerraGreen is independent from petrochemicals and the shortage of fossil resources.

### ToySafe®

Our brand of certified coatings for the toy industry. ToySafe coatings comply with the high safety requirements of the toy industry. They are free of bisphenol A, heavy metals, benzophenone and plasticisers; compliant with applicable norms, guidelines and certified by accredited testing laboratories.



## Discover your key benefits at ACTEGA.

### Technical Services

- Fast and direct contact to ACTEGA (on site and remote)
- State-of-the-art testing and evaluation methods
- Successful coating recommendations considering your individual requirements



### Product Safety

- Regular analysis and certifications of coatings by accredited testing laboratories
- Reference samples of each batch
- Intensive know how with regard to food law, packaging law and chemical law



### Product Quality

- Extensive quality control of coating batches
- Regular analysis of raw materials by internal analytics
- Independently certified hygiene management according to HACCP
- Certified quality management and environmental management system according to ISO 9001 and 14001 as well as certified energy management system according to ISO 50001

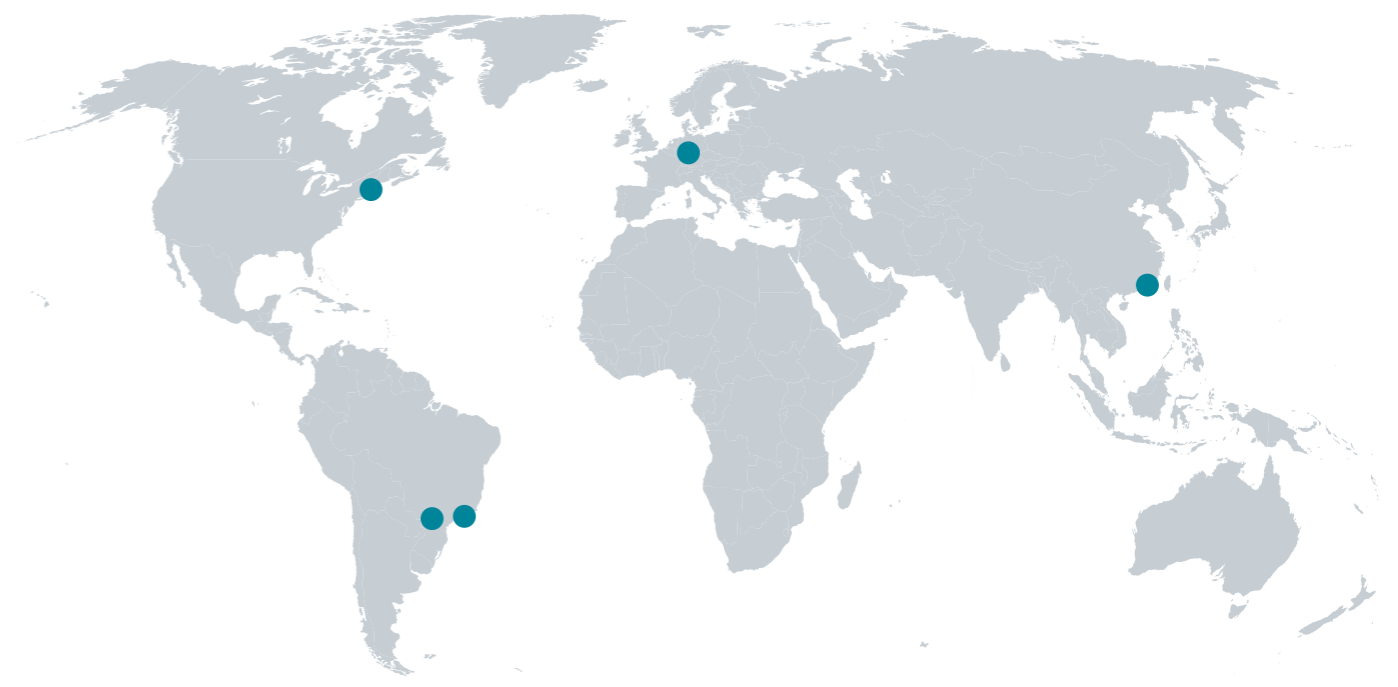


### Product Development

- Broad and specialized portfolio of coatings and primers
- High market and customer orientation
- Extensive research for new raw materials
- Fully equipped and modern R&D laboratories



Product availability is provided by five companies serving the paper-based packaging industry in their markets.



As a member of ALTANA, ACTEGA develops and produces specialty coatings, inks, adhesives and sealing compounds for eight customer segments. Discover our solutions and refer to ACTEGA's complete global product portfolio for paper-based packaging:

Paper-based Packaging	ACTEGA Foshan (China)	ACTEGA North America (USA)	ACTEGA Overlake (Brazil)	ACTEGA Premiata (Brazil)	ACTEGA Terra (Germany)
Coatings (water-based)	●	●	●		●
Coatings (UV)	●	●	●	●	●
Inks (water-based)		●			
Inks (UV)		●		●	
Inks (oil-based)				●	

A member of  **ALTANA**