



**GALACRYL® water-based coatings**  
are water-based coatings for finishing printed paper, board and film

FACT SHEET

# GALACRYL®

## WATER-BASED COATINGS

FIELD-TESTED, ECO-FRIENDLY,  
COST-EFFECTIVE



SWISS BRILLIANCE IN COATING



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## WATER-BASED COATINGS

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### Finished print products are trendy

Consumers have increasingly higher expectations regarding the quality, appearance, functionality and environmental compatibility of print products and packaging.

Today, coatings for print products are appreciated by marketing experts as a valuable tool for creative design. Moreover, coatings protect print products and packaging against mechanical and chemical influences, extend their life and permit products to be converted without delay.

Besides UV coatings, water-based coatings also play an important role in the finishing of print products.




### What are water-based coatings?

Water-based coatings consist of acrylates, water-soluble resins, additives and water.

The coatings dry through the evaporation of the water. During this physical drying process, the dispersed particles fuse to form a homogeneous film.

The art of producing water-based coatings is in finding the right formulation. The coating must always have the desired properties, whether in liquid form, during application, or as a dried coating film.

### Desired properties of GALACRYL® water-based coatings

 <b>Liquid coating</b>	 <b>Processing</b>	 <b>Coating film</b>
<ul style="list-style-type: none"> <li>■ High solids content</li> <li>■ Low odour</li> <li>■ Constant viscosity for trouble-free processing</li> <li>■ High flash point</li> <li>■ Good surface tension</li> <li>■ Eco-friendly, biodegradable</li> <li>■ Not subject to labelling</li> <li>■ Solvent-free</li> <li>■ Good frost resistance</li> </ul>	<ul style="list-style-type: none"> <li>■ Minimum foaming</li> <li>■ Good wettability</li> <li>■ Easy to pump</li> <li>■ No set-off in the stack</li> <li>■ Low odour</li> <li>■ No drying in the coating unit</li> <li>■ Economical consumption</li> <li>■ No blocking</li> <li>■ Minimum powder quantities required</li> <li>■ Easy to clean off</li> </ul>	<ul style="list-style-type: none"> <li>■ Defined gloss</li> <li>■ Homogeneous coating film</li> <li>■ Good adhesion</li> <li>■ Low odour</li> <li>■ No yellowing</li> <li>■ Scuff resistance</li> <li>■ Good slip properties</li> <li>■ Good blocking resistance</li> <li>■ High flexibility (can be grooved and creased)</li> <li>■ Good suitability for foil stamping and glueing</li> <li>■ Suitable for heat-sealing</li> <li>■ Recyclable</li> </ul>



### Earn extra gloss points with GALACRYL® coatings

We develop our GALACRYL® coatings in close cooperation with our market partners. During the development process, the Schmid Rhyner R&D experts adjust the coating properties to the requirements of our customers. This results in well-balanced formulations that display the desired properties regarding gloss, slip, scuff resistance, converting properties etc. Our high-performance products are based on carefully selected, top quality raw materials that are subject to strict controls. Consistently high quality is especially important to us.

Thanks to more than 40 years of experience and intensive research and development work, our quality and power of innovation are constantly renewed.

### Product and processing properties of GALACRYL® water-based coatings

GALACRYL® coatings have a high solids content of 35–43% and a flash point above 100 °C. The coatings are eco-friendly, free of hazardous materials and need no special labelling. The low-odour Schmid Rhyner coatings are resistant to both high and low temperatures.

Thanks to our production expertise, we can guarantee top quality with very narrow tolerances. This includes a highly constant viscosity. In developing our products, we pay special attention to good and reliable processability. The trouble-free application of GALACRYL® products prevents machine downtimes and increases cost efficiency.

### The appropriate product for all gloss requirements

From high-gloss to extra-matt coatings: The GALACRYL® range of products covers all gloss requirements.

Please see our technical lists and data sheets for detailed information on the individual product lines and products.

### Benefit from our comprehensive Schmid Rhyner service

We actively assist our customers

- with personal support and an intensive exchange of know-how
- with technical support during production tests
- with comprehensive theoretical and practical training in all matters relating to the printing and finishing process
- with technical consulting on site

### GALACRYL® water-based coatings: Benefits at a glance

- Reliable and easy to process
- Eco-friendly and free of hazardous materials
- Maximum matt and glossy effects
- Low odour
- Good convertibility
- High-performance products for a wide variety of uses
- Constant top quality with very narrow tolerances
- 12 months warranty
- Safe and cost-effective
- Comprehensive technical service and consulting
- Not subject to labelling requirements according to EU directive 1999/45/EC

### Other Schmid Rhyner products

WESSCO® UV coatings

WESSCO® LM / EPPI® LM UV coatings for food packaging

WESSCO® UV film laminating adhesives

Please ask for our product brochures.





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## 8 reasons for becoming a Schmid Rhyner partner

Your innovation partner	Schmid Rhyner is a dynamic, growing company with 40 years of experience in the development and manufacture of UV and water-based coatings; we work with our partners to develop products that meet the needs of the market.
Your quality partner	Schmid Rhyner products are manufactured in consistently high quality and to very narrow tolerances to ensure that our customers can rely on reproducible top quality.
Your technology partner	With Schmid Rhyner, you have access to the latest findings that result from our ongoing research and development efforts.
Your problem solver	Our experts will support you with practical tips in all questions regarding coating, give fast and competent advice and help solve problems.
Your ecology partner	Schmid Rhyner products are recyclable, very eco-friendly and do not need to be declared as hazardous materials. This means that our customers save disposal costs and special charges.
Your market partner	With a market presence in more than 90 countries, Schmid Rhyner and our distribution partners offer customers a wide-ranging distribution network and on-site support.
Your service partner	Thanks to state-of-the-art production equipment and selected logistics partners, we can deliver our top-quality products on time even under difficult circumstances.
Your coating partner	We at Schmid Rhyner sum up our corporate philosophy with the slogan „Swiss Brilliance in Coating“. With this slogan, we commit ourselves to providing technically brilliant products, today and in the future.

TALK TO US – WE’LL BE HAPPY  
TO PROVE OUR COMPETENCE!



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