



BERLAC® HYDRO COATING SYSTEMS FOR BIKES: ENVIRONMENTALLY FRIENDLY APPLICATION – PERSUASIVE DESIGN

Among the increasingly rigorous demands placed on modern lacquer coatings for industrial processing have been stricter legal requirements in respect of solvent content and environmental impact. Berlac AG has responded to this situation by enhancing its conventional product portfolio with the addition of trendsetting waterborne lacquering systems for demanding applications on steel and aluminium. Formulated with innovative ingredients, the water-based **Berlac® Hydro line for bikes** fully meets our customers' requirements for top-quality appearance and resistance. As non-combustible lacquers, with significantly lower VOC content and very good processability, **Berlac® Hydro coating systems** represent an impressive combination of cutting-edge technology, environmental conservation, work safety and economy.

TECHNOLOGICAL DESCRIPTION

Berlac® Hydro coating solutions for bikes can be used as a three-coat system consisting of primer / base coat / clear coat. Both our waterborne clear coats, with their extremely high resistance to weathering, as well as our polyester or acrylate powder coatings can be used as topcoats. These premium quality systems are precisely adapted in each individual case to the demands of the application and the customer's processing requirements. Provided substrates are pre-treated correctly as prescribed and relevant processing and application parameters are adhered to, the systems offer outstanding substrate adhesion and high mechanical, chemical and weathering resistance.

FIELDS OF APPLICATION

The waterborne **Berlac® Hydro coatings for bikes** are ideal for both steel and aluminium cycles. They are efficient and inexpensive stoving lacquers that are available in all conceivable effects and designs. The specialists at Berlac AG will be pleased to recommend appropriate solutions and give advice on how they should best be used.

YOUR ADVANTAGES AT A GLANCE

- **Broad palette of colours and effects for designers:** unlimited range of colours, imitation of a wide variety of metallic and nacreous effects; colour effects can be individually adjusted
- **Reliable and reproducible method of application:** using automated coating processes, on pneumatic equipment and with all electrostatic methods currently available
- **Straightforward processing:** easy to apply on the appropriate equipment and using application processes standard for the sector
- **Lasting top-quality finish:** uniformly high adhesive properties and resistance throughout the entire life-cycle of the product
- **Flexibility:** parts can be handled soon after lacquering thanks to rapid drying by stoving
- **Cost-efficient coating:** products with high covering power can be combined in multi-coat application both for total coating and for spraying frames
- **Ecologically sensible technology:** minimum emissions during both processing and drying thanks to the use of low-VOC formulation



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PRODUCT PROFILE

Substrates:	steel and aluminium
Application:	three-coat: primer / base coat / waterborne or powder-based clear lacquer
Systems:	1-component stoving systems available as: <ul style="list-style-type: none"> ● primers ● base coats ● top coats
Level of gloss:	matt through high gloss, with both waterborne clear lacquers and clear powders
Colours:	As with solvent-based and printing ink systems, an unrestricted range of colours and effects, including ultra-brilliant chrome effects, are possible.
Special properties:	<ul style="list-style-type: none"> ● adhesion on steel and aluminium subject to appropriate pre-treatment ● above-average chemical and mechanical resistance ● very good resistance to UV and weathering ● very good flow properties and very good covering and filling power ● rapid drying with stoving ● can be finished with all standard decoration processes
Design range:	<ul style="list-style-type: none"> ● annual launch of new colour collections
Customer-specific formulations:	<ul style="list-style-type: none"> ● specific effects or shades can be produced at the request of customers

BERLAC AG – COATING SYSTEMS TO GIVE YOUR PRODUCTS STRIKING ADDED VALUE

The production of premium-grade special and effect coatings as well as printing inks for decorative and functional applications on plastic, chromium-plated and metallised substrates, carbon fibre composites, metal and glass has been our speciality since 1928.

Whether you are an industrial contract coater, a tier-one or tier-two supplier coating in-house or an OEM, you will find us your ideal development partner for innovative niche solutions that call for interdisciplinary knowhow and precise adjustment to the processes of all your supply-chain partners. We accompany your innovative surface projects in close collaboration every step of the way from initial concept to technical fine-tuning for series applications on site.

Our comprehensive expertise and experience in manufacturing a product portfolio that ranges from primers through printing inks enables us to supply ideally coordinated integrated solutions (thermal and UV-curing) in the realm of solvent-based and waterborne spray coating systems and industrial screen and pad printing inks. Our innovative solutions for demanding coating tasks – also available in very small batches and for small series production – cater primarily to the following sectors: automotive, spectacle frames, domestic appliances, hearing aids, children's toys, medical technology, sanitary fittings, writing implements, sport, watchmaking and jewellery.

Headquartered in Sissach, just outside Basel in Switzerland, Berlac AG is one of the eight brands that comprise the Berlac Group, a globally-active group of medium-sized companies committed to the development and manufacture of top-flight solutions for finishing and protecting surfaces and for colouring plastics.



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