



BERLAC® PAINT-OVER-CHROME CLEAR COAT SYSTEMS: INDIVIDUALISING AND PROTECTING ELECTROPLATED SURFACES

Cost pressures, weight and other considerations make the automobile industry loath to use solid materials, particularly in the small car sector. The high-gloss chromium plating of plastic components is therefore becoming an increasingly popular method of enhancing the visual impact of automotive interiors. In combination with Berlac's highly-resistant **Paint-over-Chrome clear coat systems**, which can be coloured to any shade required, standard chrome surfaces of this type can now be given an individualised appearance with ease. A vast range of effects, from precious metal imitations through to an elegant black-chrome look, can now be generated in automated coating processes with no fluctuations in colour or consistency. In addition, **Berlac® Paint-over-Chrome clear lacquers** ensure reliable protection from stone chips and corrosion for chromium-plated components fitted in critical exterior locations throughout the entire life of the vehicle.

TECHNOLOGICAL DESCRIPTION

Depending on how much wear is entailed by the application in question, **Berlac® Paint-over-Chrome clear lacquers** can be applied either as a coloured one-coat system or as a primer together with a top coat. Both PUR and durable UV systems with above-average chemical and physical resistance are available. The systems can be applied without pre-treatment of the galvanised surface and without time constraints at any time after the process bath to the corresponding electroplated substrates.

FIELDS OF APPLICATION

In addition to interior and exterior automotive applications (fascias, trims, door handles, roof bars, radiator grills, etc.), **Berlac® Paint-over-Chrome clear lacquers** can also be used for decorative applications wherever high-gloss chrome-plated plastic components are to be visually highlighted and lastingly protected, for instance for sanitary fittings and domestic appliances or mobile and conventional telephony applications.

YOUR ADVANTAGES AT A GLANCE

- **Broad palette of colours and effects for designers:** clear lacquer that can be coloured to any shade required, imitation of a wide variety of metallic and precious metal shades based on chromium-plating, level of gloss can be individually adjusted
- **Reliable and reproducible method of application** using automated coating processes
- **Straightforward processing** without pre-treatment and without any time limits after processing bath
- **Long-lasting top-quality metallic appearance:** high resistance and adhesive properties remain unchanged throughout the entire life cycle of the product
- **Flexibility:** can be processed industrially using energy-efficient UV curing or forced drying
- **Potential for functionalisation:** simple application of logos, symbols and other markings via screen or pad printing
- **Complies with European automotive specifications**



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Lacquers and Effects

PRODUCT PROFILE

Substrates:	different chromium-plating
Application:	single-coat: PUR two-coat: PUR / PUR or PUR / UV
Systems:	2-component PUR system 1-component UV system
Level of gloss:	matt to high-gloss
Colours:	unlimited palette of colours and effects (precious metal imitations, dark-chrome look, etc.)
Special properties:	<ul style="list-style-type: none"> • direct adhesion to different electroplating • above-average mechanical (Velcro test 10,000 cycles, Crockmeter 5,000 cycles, etc.) and chemical resistance • very good resistance to UV and weathering • very good flow and very good filling power • rapid drying • post-printing possible with screen or pad printing
OEM approval interiors:	<ul style="list-style-type: none"> • PSA: B 15 50 50 • BMW: GS 97045-2 • Fiat: 9 / 55842 / 01 • VW: TL 226
OEM approval exteriors:	<ul style="list-style-type: none"> • condensed water-constant climate, 240 hr as per DIN EN ISO 6270-2 • steam jet test as per PV 1503 • stone impact test with subsequent condensed water-constant climate, 240 hr • climate change as per PV 1200 • chemical resistance as per TL 211 • Florida weathering (xenon) as per PV 3930 • car wash simulation Amtec Kistler

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 1926.

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.



Lacquers and Effects

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