



BERLAC® PIGMENT PREPARATIONS: BRILLIANT COLOUR PROPERTIES FOR EXACTING DEMANDS

With the addition of its **pigment preparations** based on transparent pigments, Berlac has enhanced its portfolio for colouring high-end coating systems for decorative and functional applications with an advanced group of products. The meticulous selection of ultra-transparent organic and inorganic pigments with good light fastness and high levels of resistance ensures coverage of the entire spectrum and opens up new design potential. With optimum formulations using cutting-edge materials containing no listed or other questionable ingredients, **Berlac® pigment preparations** ensure excellent compatibility for all target applications and comply with all current health and environmental standards, all without compromising their excellent performance.

TECHNOLOGICAL DESCRIPTION

The **Berlac® pigment preparations** are ready-to-use monopigment preparations based on a widely compatible acrylic resin solution containing solvents. The organic and inorganic pigments they contain are in an optimum concentration and are hallmarked by a very high level of transparency. Available with a viscosity of 300 mPa.s, the pigment concentrates are homogeneously dispersed and largely immune to separation, which ensures good storage for efficient mixing of all shades required.

FIELDS OF APPLICATION

Specially coordinated for use with a wide range of Berlac® coating systems, the **pigment preparations** can be incorporated into conventional 1- and 2-component systems (air-drying and stoving applications), as well as into radiation-curing UV systems thanks to their outstanding compatibility. The pigment concentrates are available in 22 basic colours, but also to match a colour scale or to customers' own specifications and are ideal for colouring clear lacquers, tinting metallic and nacreous lacquers and for shading individual hues and effects. Thanks to colorimetric metering of colour strength and controlled tint, it is possible for **Berlac® pigment preparations** to be used on mixing and dosing equipment.

YOUR ADVANTAGES AT A GLANCE

- **Greater design potential:** high pigment transparency for enhanced intensity and brilliance of colour; coverage of the entire spectrum thanks to a wide range of miscible basic shades
- **Simple to use:** thanks to extremely good flow properties and ready-to-use delivery form
- **Product reliability:** reproducible colour consistency with tight tolerances in respect of colour intensity and shade
- **Broad range of applications:** far-reaching compatibility with Berlac® solvent-based 1- and 2-component systems (air-drying and stoving applications) and with UV-curing systems
- **Highly-resistant solution for colouring coating systems for demanding applications:** high level of light fastness and excellent resistance to heat and chemicals
- **Environmentally friendly colourant with a future:** contains no REACH-critical ingredients



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PRODUCT PROFILE

Product:	Berlac® pigment preparation 086.- - -.100 Pigment concentration with ultra-transparent pigments, 300 mPa.s
Testing methods:	<ul style="list-style-type: none"> • 3000 hours UV sun test as per DIN/ISO DeltaE<0.2 (excluding shades 590/650/680: 1500 hours Delta E=1) • 240 hours perspiration testing as per ISO12870 • 240 hours condensation water testing as per ISO 6270-2 (formerly DIN 50017) • hydrolytic stability, 96 hours at 90°C/95% rel. humidity <p>All tests have been performed with Berlac® clear lacquering systems recorded in the technical data sheet, using the addition of 15% Berlac® pigment preparation.</p>
Intended Berlac coating systems (as per technical data sheet):	<ul style="list-style-type: none"> • conventional 1- and 2-component systems (air-drying and stoving applications) • radiation-curing UV clear lacquer systems
Possible uses:	<ul style="list-style-type: none"> • for colouring clear lacquers • for tinting metallic and nacreous lacquers • for shading individual effects/hues • for enhancing substrates whose surface structure is required to show through • ideal for use on mixing and dosing equipment (volumetric, gravimetric)
Colours:	<ul style="list-style-type: none"> • 22 basic colours that can be mixed together • as per colour charts • to individual customer specifications
Special properties:	<ul style="list-style-type: none"> • high chemical resistance • high light and weathering fastness • extremely compatible with Berlac® coating systems • optimum pigment concentration • high colour intensity and brilliance • very good flow properties • manufactured with narrow tolerances (colour strength, shade) • suitable for storage • REACH compliant

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, watch-making 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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