



BERLASIGN®

PHOSPHORESCENT INKS FOR SAFETY WAY GUIDANCE SYSTEMS

BerlaSign® products have been especially designed to meet the technological demands and quality requirements inherent in the manufacture of photoluminescent signage systems. Their extremely long afterglow makes them ideally suited for safety-related applications and is targeted at the specific and standardised requirements and expectations of technically-oriented industrial applications.

TECHNOLOGICAL DESCRIPTION

BerlaSign® systems make use of a familiar technology that can also be described as a light battery. It uses a physical process in which cold light is produced without any chemical reaction occurring in the raw materials used. This guarantees that phosphorescence is long-lasting and does not diminish in intensity. Unlike the products currently on the market, this innovative new product is resistant to water and therefore suffers neither greying nor the loss of luminescence that is associated with this. Needless to say, in line with physiological and ecological requirements, these systems are not radioactive and contain no listed heavy metals or other questionable substances. **BerlaSign®** products are currently available in shades ranging from brilliant turquoise to classic yellow-green; other phosphorescent inks are in development.

FIELDS OF APPLICATION

The products comprising the **BerlaSign®** range have been developed for visual and functional printing applications on a variety of substrates. All conventional methods of application, including screen and pad printing, spraying, rolling and curtain coating are supported by these systems. They can be used in the production of photoluminescent signs for escape route markings, fire prevention signage, low-level way guidance systems, for marking stairs and edges and for other forms of visual warning signals. Additional uses are possible in the automotive sector to provide luminescent marking of various functional components, such as switches, levers and buttons, doorsills, pillars, etc.; this opens up both new visual and interactive potential. The same is true of the consumer design and domestic appliance segments.

YOUR ADVANTAGES AT A GLANCE

- **Wide range of applications: pad and screen printing, spraying, rolling, curtain coating**
- **Water-resistant coating against greying and loss of luminescence**
- **Broad spectrum of mass tones and phosphorescent colours, plus customer-specific shades**
- **All levels of gloss and matt finish possible**
- **New standard in respect of intensity and duration of luminescence**
- **Compatible underprinting and overprinting systems available for all applications**
- **Ready to use**



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PRODUCT PROFILE

Tested in accordance with:	<ul style="list-style-type: none"> • DIN 67510 Long-afterglow pigments and products • ISO/CD 16069, Safety way guidance systems • ASR A1.3 / ASR A3.4/3 Technical guidelines for the workplace
Substrates:	<ul style="list-style-type: none"> • metals • plastics • coatings
Application:	<ul style="list-style-type: none"> • single or multiple coats
Systems:	<ul style="list-style-type: none"> • printing inks (screen and pad printing system) • spraying lacquer • roller coating systems • curtain coating systems
Colours:	<ul style="list-style-type: none"> • natural colours and tinted
Special properties:	<ul style="list-style-type: none"> • not radioactive • non-toxic • water-resistant • light-resistant, light fastness level 8 as per DIN 16525 • endless use • ready to use • EU manufacture • extremely long afterglow • all areas of application
Other products / services:	<ul style="list-style-type: none"> • BerlaPlast phosphorescent masterbatch • hardcoating of metals

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 finetuning 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 nine 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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