



BERLAC® BASCO CARBON COATINGS: EFFICIENT CARBON COATING SYSTEM FOR THE MOST EXACTING REQUIREMENTS.

Superior rigidity, high stability, low weight, reduced plastic density and attractive look for applications in visible areas make the light construction material CFC into a resource-saving and highly versatile, high-performance material.

Applicable via spraying processes, the **Berlac® Basco Carbon Coatings** – a series of complementary coating solutions specifically designed for carbon fibre reinforced plastics – support these outstanding material properties and ensure a consistently appealing carbon look over the entire product lifecycle, even with constant daily use.

EXCELLENT DURABILITY PROFILE.

The **Berlac® Basco Carbon Coatings range** impresses with its outstanding direct adhesion to the carbon substrate and with resistances that meet automotive standards both for interior and exterior applications.

EFFICIENT COMPLETE SYSTEM.

The **Berlac® Basco Carbon Coating system** is based on a transparent, thixotropic primer with excellent stability that allows substantial coat thicknesses to be achieved in a single painting process so as to conceal any surface defects in the composite material efficiently and economically with fewer jobs. For use on highly flawed substrates, different UV fillers are available, which, thanks to curing in a matter of seconds, ensure short-term processing of the components. The highly transparent clear coats explicitly tailored to this primer and kind of substrate protect the material and ensure the required resistances in high-quality and ambitious applications. Both the filler and clear coats can be sanded and polished with ease to achieve a Class A surface finish.

Thanks to their shortened process times and the associated cost savings, the **Berlac® Basco Carbon Coatings** offer manufacturers of carbon fibre composites a worthwhile alternative to standard market products.

VERSATILE APPLICATION.

The **Berlac® Basco Carbon Coating solutions** come with series approval from renowned OEMs both for interior and exterior uses.

The **Berlac® Basco Carbon Coating system** can be used in any industrial sector where carbon fibre composites in visible decorative areas need to be coated as economical as possible and where anything less than a high-quality surface finish is unacceptable. In addition to the automotive industry, this applies primarily to the sports and orthopaedic products sector, where applications such as bikes, helmets, rackets, skis, etc. have to be highly functional and to simultaneously live up to current lifestyle trends.

YOUR APPLICATION – OUR EXPERTISE.

Whichever industry you work in, the **Berlac® Basco Carbon Coating solutions** let you sustainably upgrade any carbon fibre reinforced substrate. Our experienced specialists reliably partner with you on-site to provide you with training and technical support at all times. No matter whether it is before and during implementation of your projects or once your projects have been completed.

YOUR BENEFITS AT A GLANCE.

- **Shortened process times:** due to the greater coat thickness achieved in a single application and due to the outstanding sanding behaviour of each individual coat, the number of jobs necessary to obtain a perfect surface finish is reduced
- **Complete solution from a single source:** starting with the Berlac® BascoFill filler through the Berlac® BascoPrime primer to the Berlac® BascoClear protective clear coats
- **Wide application spectrum:** suitable regardless of component size, geometry or thickness
- **Highly resistant coating solution:** satisfying the specifications of various automobile and motorcycle manufacturers worldwide (interior and exterior uses)

PRODUCT PROFILES.

	53-0013-340 Berlac® BascoFill UV filler	53-0007-SNF Berlac® BascoPrime 2K Füller	54-0111-NEO Berlac® BascoClear 2K clear coat	54-0131-345 Berlac® BascoClear 2K clear coat
Tested in compliance with	---	TL 211 / TL 226		TL 211 / TL 226
System	UV-LED curing, spot repair with putty knife. Not recommended for large areas	2K PUR primer UV stabilized	2K PUR clear coat UV stabilized	
Gloss levels	glossy	glossy	glossy	matt
Bindersystem	solventfree	highly crosslinked polymers		
Substrates	carbon fibre reinforced plastics			
Application (for automotive standards)	on highly flawed resin areas in the carbon substrates in upstream application with the Berlac® BascoPrime	as a full-coverage foundation for filling pores for the Berlac® BascoClear clear systems 54-0111-NEO, 54-0131-345	standard application in combination with the Berlac® BascoPrime primer 53-0007-SNF	
Application type	spot repair with putty knife	full-coverage spray application		
Hardeners	---	The hardener is selected based on the respective OEM requirements. Apart from the proven standard hardeners, the hardener component 19-0460-000 meets increased mechanical / chemical requirements. First series releases from well-known OEMs are available.		
Colours	ultra-transparent, colourless	<ul style="list-style-type: none"> transparent, not tintable colour effects can be achieved via an intermediate layer between the primer and top coat, using the pigmented 2K PUR system 042.936.100 from Berlac 		
Drying parameters	<ul style="list-style-type: none"> depending on coat thickness: 5 to 15 sec. recommended UV-LED handset for controlled curing: HANDcure von IST METZ GmbH 	60 min. / 80°C	60 min. / 80°C	60 min. / 80°C
Special features	<ul style="list-style-type: none"> outstanding adhesion to the carbon substrate no visible filler marks immediate component handling thanks to UV-LED curing in seconds good sanding behaviour 	<ul style="list-style-type: none"> outstanding direct adhesion to the carbon structure paint film has a highly tuned thixotropy allowing a coat thickness up to 100 µm per layer high transparency for a genuine carbon look with no yellow tinge high solid content (67 - 88%) for enhanced depth effect of the carbon structure good sanding behaviour non-brittle on delicate and thin-walled components 		
	---	---	<ul style="list-style-type: none"> above-average scratch and abrasion resistance excellent resistance to a range of chemicals (engine oil, brake fluid, petrol, diesel, cleaning agents) UV-resistant: PV3929 3000h, PV3930 3200h, AA-0235 3000h 	
OEM approvals	various series approvals from renowned automobile and motorcycle manufacturers around the world			

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

PROVEN KNOWHOW.

Since 1928, our speciality has been 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.

COMPREHENSIVE SERVICE.

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.

COMPLETE SOLUTIONS FROM A SINGLE SOURCE.

Our comprehensive expertise and experience in manufacturing a product portfolio that ranges from primers

through to 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 and leisure, watchmaking and jewellery.

EXPERTS IN COATINGS.

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.



BERLAC
BERLAC GROUP

Berlac AG . Allmendweg 39
4450 Sissach . Switzerland
Phone: +41 61 976 90 10
Fax: +41 61 976 96 20
info@berlac.ch . www.berlac.ch