



BERLAC
BERLAC GROUP

Lacquers and Effects

Berlac AG . Allmendweg 39
4450 Sissach . Switzerland
Phone +41 (0)61 976 90 10
Fax +41 (0)61 976 96 20
info@berlac.ch . www.berlac.ch

BERLAQUA 1COMP. UV BASE COAT METALLIC, WATER-BORNE 581.999.100 / 200

PRODUCT IN BRIEF

<i>System:</i>	Berlacqua 1comp. UV-curing base coat metallic, water-borne
<i>Binder system:</i>	Urethane acrylate
<i>Degree of gloss:</i>	< 90 E / 60°C
<i>Type:</i>	Metallic
<i>Application:</i>	1-coat application: 581.999.100 / 200
<i>Substrates:</i>	PC, PC/ABS, ABS
<i>Spreading power:</i>	approx. 40 g/m ² at 10 µm film thickness
<i>Special properties:</i>	<ul style="list-style-type: none">- solvent content < 10%- monomer content < 7%- excellent scratch resistance- excellent resistance to a broad range of chemicals- excellent levelling- easily applicable and processable
<i>Distinguishing characteristics from conventional aqueous and UV-curing lacquer systems</i>	<ul style="list-style-type: none">- improved scratch resistance- improved resistance to chemicals- improved hardness- improved sag control and thus easier processability- ingredients low in odour- ingredients less hazardous to health due to low level of monomers

BERLAC AG

Berlac AG – founded in 1928 and headquartered in Switzerland – is a member of the Berlac Group, a globally-active group of companies, which has specialised in the development and manufacture of top-quality solutions for surface coatings and the finishing of PU for various sectors and applications.

As an internationally leading manufacturer of premium-grade special lacquers and effects for decorative applications on plastics, genuine metals, galvanized and PVD-metallised substrates, Berlac AG supplies primarily to the following sectors: automotive, spectacle frames, domestic appliances, hearing aids, medical technology, cosmetics packaging, telephony, sanitary fittings, writing implements, watches and jewellery.



BERLAC
BERLAC GROUP

Lacquers and Effects

Berlac AG . Allmendweg 39
4450 Sissach . Switzerland
Phone +41 (0)61 976 90 10
Fax +41 (0)61 976 96 20
info@berlac.ch . www.berlac.ch

BERLAQUA 1COMP. UV BASE COAT METALLIC, WATER-BORNE 581.999.100 / 200

TEST RESULTS ACCORDING TO GIGASET COMMUNICATIONS NORM

<i>Tested on:</i>	PC/ABS
<i>Adhesion:</i>	Gt0
<i>Scratch resistance 15N:</i>	No cracking of the coating film
<i>Xenontest 300 h (ISO 4582)</i>	OK
<i>Reaction to hand sweat (acid / alkaline):</i>	No change
<i>Resistance to ethanole / isopropanole / petroleum spirit, 5 double strokes:</i>	No change
<i>Resistance to ethanole / isopropanole / petroleum spirit, 3 min. storage in medium:</i>	No change
<i>Resistance to fats and oils (Nivea-, Atrix-, camomile cream, olive oil, Nivea sun screen LSF 2), Squalen (artificial skin oil) 16h 50°C:</i>	No change
<i>Abrasion test according to SN 27650 (Wazau):</i>	> 10 m

RESULTS OF ADDITIONAL TESTS

<i>Tested on:</i>	PC/ABS
<i>Resistance to acetone 200 double strokes with cotton stick:</i>	No change
<i>Scratch resistance with polishing paper (3m blue, 9 µm) 10 cycles with mini Martindale:</i>	Remaining gloss: 95 – 100%
<i>Resistance to hand cream and sun milk according to VW-TL 226:</i>	No change
<i>Pendulum damping test (König):</i>	100