

Labitex HEALTH – the serie of varnishes with antibacterial and antimicrobial properties.

Labitex Health coatings guarantee fast and effective antibacterial and antimicrobial protection throughout the product's life, helping to keep surfaces clean and hygienic.



- Labitex WB 700 HEALTH - Water-dispersion glossy varnish for offset printing with antimicrobial / antibacterial activity. Contains built-in anti-microbial protection, effective over the entire life of the product. Tested in an independent laboratory according to ISO 20743. High gloss on absorbent substrates. The varnish is suitable for double-sided printing.



- Labitex UV 500 HEALTH - Glossy UV polymerization varnish for offset printing with antimicrobial / antibacterial activity. Contains built-in anti-microbial protection, effective over the entire life of the product. Works 24/7 to protect product surface.

How is working coatings Labitex WB/UV HEALTH ?

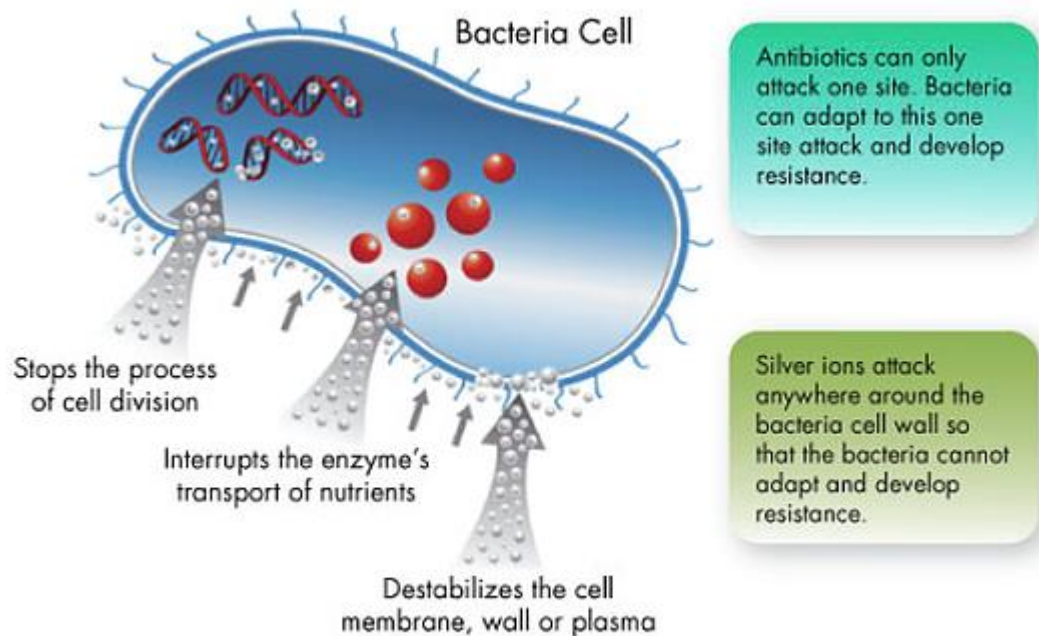
Our varnishes in combination with antimicrobial agent (AA) acquired antimicrobial / antibacterial activity and can be characterized by the following properties:

- Actively prevent / destroy the growth of bacteria on treated surfaces.
- Reduce opportunities for the growth of fungi, mold.
- Make your product more hygienic.
- Inhibits the growth of common foodborne bacteria on treated surfaces.
- Works 24/7 to protect product surfaces.
- Contains built-in anti-microbial protection, effective over the entire life of the product.
- Independently tested in accordance with ISO 20743 (antimicrobial effectiveness for porous surfaces).



Mechanism of action of the Labitex HEALTH series antimicrobial coating.

1. AA (antimicrobial agent) binds to the cell wall, disrupting growth.
2. AA ions interrupts production of the enzymes, stopping the production of energy by the cell.
3. AA interrupts the cell's DNA, preventing replication.



IMSL INDUSTRIAL MICROBIOLOGICAL SERVICES LTD

CERTIFICATE OF ANALYSIS

Page 1 of 1

CUSTOMER
 Admaster Ltd
 Darlin House
 Priestly Court
 Staffordshire Technology Park
 Stafford
 ST13 0AR
 UK

CERTIFICATE NO. 1039691.175/13913
CUSTOMER REF. 20266

SAMPLE DETAILS DATE RECEIVED 02/06/2020
 BALTINK SIA ORDER NO.

METHOD: Determination of Antibacterial Activity using Test Based on MOD ISO 20743

DATE ANALYSED 03/06/2020 DATE REPORTED 05/06/2020

RESULTS (AS CFU CM²)

SAMPLE	SPECIES	CONTACT TIME		REDUCTION (INITIAL)	
		0 hrs	24 hrs	Log 10	%
CONTROL (LABITEX WB HEALTH WATERBASED VARNISH)	<i>E. coli</i>	2.0E+04	3.1E+03		
TREATED (LABITEX WB HEALTH WATERBASED VARNISH WITH 0.5% BM AT300)	<i>E. coli</i>	2.0E+04	< 11.11	≥ 3.24	≥ 99.94%
CONTROL (LABITEX WB HEALTH WATERBASED VARNISH)	<i>S. aureus</i>	2.2E+04	8.5E+02		
TREATED (LABITEX WB HEALTH WATERBASED VARNISH WITH 0.5% BM AT300)	<i>S. aureus</i>	2.2E+04	< 11.11	≥ 3.29	≥ 99.95%

Key: NS = Poor survival on control supplied.

The above data show the difference in the population following contact with the surface of the samples listed for 24 hours at 35°C under a RH of > 95% relative to the initial population.

Certificate valid for up to 2 years from date of test.

IMSL MICROBIOLOGICAL SERVICES LTD
 PALE LANE
 HARTLEY WINTNEY
 HANTS RG27 8DH
 UK

MANAGING DIRECTOR
 Peter D Askew

ISO 20743:2013 Antimicrobial Test Certificate

This is to certify that

LABITEX WB HEALTH WATERBASED VARNISH WITH 0.5% BM AT300

supplied by

BALTINK SIA

has been tested to ISO 20743:2013 standards and shown to reduce

Staphylococcus aureus by ≥ 99.95%
Escherichia coli by ≥ 99.94%

Date of test: 3rd June 2020
 Test laboratory: Industrial Microbiological Services Limited
 Registered in England 3264423

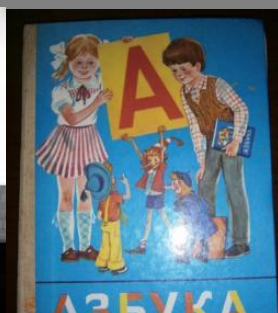
Certificate Number: 1039691.175/13913

Dr Sue Bethel
 Technical Manager





- ✓ Pharmaceutical packaging
- ✓ Packaging for disposable masks and gloves
- ✓ Food packaging
- ✓ Magazines, books, textbooks
- ✓ Promotional Products



www.baltink.eu

+371 244 227 37

info@baltink.eu

Baltink

Thank you for attention !