

PRODUCT GROUP 300

Series 373-002/AB

Polish Varnish, anti-bacterial



Specially equipped lacquering system for creation of antibacterial surfaces for card systems. The functional coating system has been tested upon its antibacterial functionality according to JIS Z 2801. A high antibacterial effect (as double as high as required in the norm) of > 99,966% of "Bacterial Reduction Rate" could be achieved with the microorganisms used for the norm test (Escherichia Coli [NBRC3972] and Staphylococcus aureus NBRC12732]. The contained active substances are thermally insensitive, hence temperature stress while printing does not influence their functionality.

The composition of this special varnish is chosen in such way, that also with thin film layers (120-34 Y PW PET 1000), a maximum effectiveness and antibacterial effect is guaranteed. We would propose to use this layer thickness when coating overlay-cards (credit cards). For simple polish-applications without overlay, where a sturdy, resilient and functional surface is created by thermal polishing of the varnish, we would for optical and mechanical reasons propose application with a mesh of 77-55 Y PW PET 1000 (smart-cards).



DIGITAL

SUBSTRATES

PVC

PC



FLEXO

USE

Application

Anti-bacterial polish-varnish, also as functional replacement of an overly-foil



FUNCTIONAL COATINGS

PROPERTIES, PROCESSING, DRYING AND MESH

Mesh

77-55 up to 120-34 Y PW PET 1000

Drying / Curing

Jet / air

Further Processing

Typical application (cutting, embossing, etc.)



PAD

ADDITIVES

Thinner

Series 300-017

Addition Ratio

10-15 % by weight

Retarder

Series 300-018

Addition Ratio

10-15 % by weight



PREPRESS

VARIOUS

Delivery Conditions

1 kg / 5 kg / 25 kg

Other

Stir well before use



Disclaimer

Please thoroughly read the Material Safety Data Sheet (MSDS) prior to processing. The Material safety Data Sheets according to 91/155/EWG form, contain indications of hazardous ingredients. Exposure levels and instructions for precautions when processing, handling and storing as well as first aid. The information given in the MSDS refers to the processing as described within this technical leaflet. Above data are based on laboratory tests and field experience. All therein contained statements are to the best of our knowledge without any obligation from our side and do not discharge from testing the product by yourself. In doubtful cases, you are kindly requested to either perform your own tests or refer to our technical staff. Application, use and processing of the delivered products are beyond our control and are therefore at your own risk and responsibility. Printcolor is thus free from any guarantees or liabilities. In cases of justified complaints, Printcolor can only be made liable for the counterpart of the utilized ink system. Adding not stated products or foreign / competitors products, is solely at your own risk and liberates Printcolor of any later calls; especially in cases when damages occurred and which have been caused through use of products of foreign type. This leaflet replaces all former issues. (04/2013)