



PRODUCT GROUP 500

Series 573-712/AB UV-Polish Varnish, anti-bacterial



Specially equipped lacquering system for production of anti-bacterially effective surfaces for card systems. This functional coating system has been tested (suspension-test) on its anti-bacterial functionality after JIS Z 2801. The microorganisms, Escherichia Coli [NBRC3972] and Staphylococcus aureus [NBRC12732], used for the norm tests, have been proved a high anti-bacterial effectiveness of > 99.966% (bacterial reduction rate) which is twice as high as required by the norm.

The contained active ingredients are thermally insensitive, so that temperature stresses – which usually occur during normal processing/manufacturing – do not influence the functionality of the active ingredients. The composition of this special varnish is chosen in such way, that even with a thin layer thickness (120-34 Y PW PET 1000), the maximum of anti-bacterial protection is always guaranteed. This layer thickness is also recommended for coating of Overlay-Cards (Credit Cards). For simple polish-applications without Overlay and where a sturdy and robust surface is achieved by thermal leveling of the varnish, we are recommending (for optical and mechanical reasons), application with a mesh 77-55 Y PW PET 1000 (Smart Cards).



SUBSTRATES

PVC-Overlays	Offset pre-prints	PVC, rigid
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USE

Application	Card manufacturing
	Persistent anti-bacterial equipping of card surfaces



PROPERTIES, PROCESSING, DRYING AND MESH

Mesh	77-55 Y PW PET 1000 up to 120-34 Y PW PET 1000
Drying / Curing	350 – 450 mJ/cm ² (Technigraf Integrator)
Further Processing	Laminating, leveling, punching



ADDITIVES

Thinner	Press-ready	Addition Ratio	-
Retarder	Press-ready	Addition Ratio	-



VARIOUS

Delivery Conditions	1 kg / 5 kg / 20 kg
Other	Protect from direct light



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. (06/2009)



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