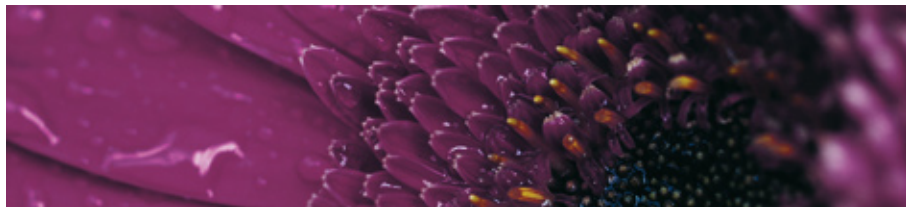




PRODUCT GROUP 500

Series 547-05/V-AB UV-Texturing Varnish, anti-bacterial



This haptic structure varnish, based on UV-curable raw materials, has been equipped with specially anti-bacterial active substances. The resulting surface texture therefore shows, besides its optical value, an active functionality and can thus specifically be used for applications in the field of front foils and membrane switches.

This active coating system has been tested on its anti-bacterial functionality after JIS Z 2801. A high anti-bacterial effectiveness (twice as high as required by the norm) of >99.954% of bacteria reduction rate has been achieved with the micro organisms Escherichia Coli [NBRC3972].

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 up to 150-31 Y PW PET 1000), the maximum of anti-bacterial protection is always guaranteed. This highly specialized UV structure varnish completes the Series of the functional coatings in Printcolor's easySWITCH portfolio.



SUBSTRATES

PC	PET-pretreated	PVC, rigid
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USE

Application	Front foils, membrane switches
	Persistent anti-bacterial equipping of card surfaces



PROPERTIES, PROCESSING, DRYING AND MESH

Mesh	120-34 Y PW PET 1000 up to 150-31 Y PW PET 1000
Drying / Curing	350 mJ/cm ² (Technigraf Integrator 250-410 nm, max. 365 nm)
Further Processing	Punching



ADDITIVES

Thinner	Series 500-017	Addition ratio	< 5% by weight
Retarder	Series 500-019	Addition ratio	< 5% by weight



VARIOUS

Delivery Conditions	1 kg / 5 kg / 20 kg
Other	-



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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)