

PRODUCT GROUP 300

Series 382

Solvent Based Screen Printing Ink for cards and laminates



Opaque screen printing ink, based on high quality PVC-Copolymerized blends, suitable for printing onto various plastics, but especially onto PVC-substrates. The composition of the bonding agent is selected in such way, that no discolorations or destroying of the colors is occurring when laminating or from the resulting energy conditions of high frequency welding. Since raw materials have been chosen for high quality requirements, outdoor use as well as the additional bonding with corresponding hardeners is a given fact. This increases chemical resistance, partially also adhesion as well as weather resistance; i.e. Series 600-HDA or Series 600-HDS (outdoor use) or Series 600-HDI (indoor use); addition ratio: approx. 10% by weight.

In some rare cases, use of hardener leads to embrittlement of the ink and therefore a deterioration of the adhesion results. Also plasticizer migrations show this special change of the cured ink coatings. For a long term outdoor use of the finished printings – without a change of the optical properties – overprinting with appropriate light protection varnishes is recommended. Out of Printcolor's product range, we would recommend use of the special varnish, Series 386-5700.

Attention has to be paid when printing onto PVC self adhesive foils which are being used outdoor: especially with substrates, containing lots of plasticizers – and depending on the application – product suitability has to be tested first. The aging process will result in high material instability and therefore, negative influences between substrate and ink system - on long term use – cannot be excluded.



SUBSTRATES

Soft- / Rigid-PVC	PVC for lamination and welding techniques	PVC-Self adhesive foil	Paper, paperboards, cardboards
Polyester, coated	Coatings	Soft-Touch surfaces	



USE

Application	Plastics for advertisement and displays, label- and sticker printing
	Production of card systems (smart cards, bank cards, ID-cards, a. s. o.)



PROPERTIES, PROCESSING, DRYING AND MESH

Mesh	77-55 Y PW PET 1000 up to 120-34 Y PW PET 1000 (max. 43-80 Y PW PET 1000)
Drying / Curing	Jet / air, optionally oven drying
Further Processing	Punching, cutting, grooving



ADDITIVES

Thinner	Series 300-017	Addition Ratio	10 - 20 % by weight
Retarder	Series 300-018	Addition Ratio	10 - 20 % by weight



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. (03/2009)

