



PRODUCT GROUP 600

Series 650

1-Component / 2-Component Universal
Screen Printing Ink



Highly opaque, silky glossy screen printing ink based on extremely resistant basic raw materials for printing of various plastics, coatings, metals as well as Duroplasts. An easy to use system in the technical / industrial field for long term outdoor use. Since the used basic raw materials have specifically been chosen for higher requirements, possibilities for long term outdoor use as well as additional bonding with relevant hardeners to increase chemical resistance and partially also adhesion as well as weather resistance (i.e. Series 600-HDA / Series 600-HDS [outdoor use] or Series 600-HDI [indoor use]) are obvious. Hardener bonding can in some rare cases cause embrittlement and could thus result in decrease of the adhesion properties. Further processing (2-component processing) with higher mechanical or chemical stress should in any case not be done before 72 hours.



SUBSTRATES

| | | | |
|-----------------------------------|---------------------------|--------------------------------------|--|
| Soft- and rigid PVC | Coated Polyester PET-G | Cellulose Acetate, CAB | Polyolefin, coated or pre-treated |
| Polycarbonate PMMA (pre-tests) | Metals | Aluminum (raw, anodized, crossed) | Composites (Alucobond, Dibond, Vekaplan VL) |

USE

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| Application | Plastics in the field of advertisement and acquisition as well as technical applications in industrial printing (fittings, dials [watches], pharmaceuticals, stand-constructs for fairs, a.s.o.) |
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PROPERTIES, PROCESSING, DRYING AND MESH

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|---------------------------|--|
| Mesh | 77-55 Y PW PET 1000 up to 120-34 Y PW PET 1000 |
| Drying / Curing | Jet / air, optionally oven drying (do not forget to add hardener, see below) |
| Further Processing | Punching, cutting |

ADDITIVES

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|-----------------|-----------------------|-----------------------|--------------------|
| Thinner | Series 600-017 | Addition Ratio | 10 - 15% by weight |
| Retarder | Series 600-018 | Addition Ratio | 10 - 15% by weight |
| Hardener | Series 600-HDA / -HDI | Addition Ratio | 20% by weight |

VARIOUS

| | |
|----------------------------|---|
| Delivery Conditions | 1 kg / 5 kg / 25 kg |
| Other | 2-component processing: the resulting pot time is depending to the color shade, however, always > 8h. ATTENTION with PVC self adhesive foils or PVC mesh foils: it could result in "softening" and thus bloopings could occur. |

Precautionary measures

Read material safety data sheet prior to processing. The material safety data sheets according to OSHA form contain indication of hazardous ingredients, TLV-level and instructions for precautions when processing, handling and storing as well as first aid. The information given in the MSDS refers to processing as described in this technical leaflet. The statements in our leaflets have been made to the best of our knowledge and are given without any obligation. They serve to advise our business associates, but it is absolutely necessary to make your own printing tests under local conditions, with regard to the intended purpose prior to starting the printing job. In case of any doubts please contact our technical advisors. The application, use and processing of the products delivered by us are beyond our control. This is subject to your responsibility and there is no liability or guarantee on our part. In case of justified complaints the manufacturer can only be made liable for the countervalue of the used ink system. Addition of not mentioned products or competitors products are on your own risk and releases Printcolor Screen Ltd. of any later demands, especially in cases of damage and loss caused by alien products. All former leaflets are no longer valid. (04/2009)



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