



PRODUCT GROUP 600

Series 655

Highly opaque Screen Printing Ink for Plastics



Extremely high opaque screen printing ink based on very resistant basic raw materials for printing of various plastics in the field of panels, membrane switches and name plates (especially for washing machines, dishwashers and dryers). An easy to handle system in the technical/industrial field requiring high chemical and mechanical resistances. Thanks to the careful choice of raw materials requirements in respect to high chemical authenticity and resistances in regards to climate tests can be met. The solvent composition is chosen in such way, that – under normal conditions – no tension stress cracks or brittle of materials occur. The highly opaque ink layer guarantees an extremely good mechanical protection as well as an increased abrasion resistance.

Adhesion on rigid materials as well as especially water resistance can be increased by adding hardener, Series 600-HDI or hardener Series 600-HDA (addition ratio 10% by weight). Depending on quantity and color shade pot time is >12h. This modern screen printing system is physically fast drying and reaches its optimal resistances – (2-component processing) by chemical bonding. Depending on conditions, they are reached after approx. 30-45 minutes (curing at 140-160°C) or after approx 72h (under normal climate conditions). In the domain of panels (washing machines, dryers, a. s. o.), we would recommend hardener Series 600-HDS, for other applications, standard hardener Series 600-HDA can be used.



SUBSTRATES

PMMA	Polycarbonate	Soft- / Rigid-PVC	Polyester, coated
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USE

Application	Decorative and functional printing of PMMA for household appliances
	Double sided stickers, generally back printing, also membrane switches



PROPERTIES, PROCESSING, DRYING AND MESH

Mesh	43-80 Y PW PET 1000 up to 120-34 Y PW PET 1000
Drying / Curing	Jet/ air, optionally oven drying
Further Processing	punching, cutting, adhesive application (possible with hardener)



ADDITIVES

Thinner	Series 600-017	Addition Ratio	10 - 15% by weight
Retarder	Series 600-018	Addition Ratio	10 - 15% by weight



VARIOUS

Delivery Conditions	1kg / 5kg / 25 kg
Other	Hardener Series 600-HDA, -HDI or -HDS, addition ratio 10% by weight



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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. (03/2009)