



PRODUCT GROUP 600

Series 630

2-C Epoxy Screen Printing Ink



Series 630 is a highly resistant and very much opaque 2-component screen printing ink, based on extremely resistant raw materials. It is specially suitable for printing of glass and metal as well as for printing onto various plastics. All in all, an easy to use system in the technical-industrial field, resistant to high chemical and mechanical stress when used indoors.

Since the chosen basic raw materials are specifically suitable for higher requirements, the chemical- and mechanical resistances are the main focus of this system. The Epoxid-character of the basic ink allows a temporary limited outdoor use which lies in the lower up to the medium resistance level. Outdoor use can lead to chalking effects with rising "yellowing" effects.



DIGITAL

SUBSTRATES

Metals Lacquered bottles and coatings	Composites (Alucobond, Dibond, Vekaplan VL)	Glass	Rigid-PVC
Polyamide and Polyetherimid	Polyacetate (PCM) are well printable, however require post-flame treatment	Polycarbonate, Celluloseacetate, CAB	Polyolefin, coated or pre-treated, specially in the field of "bottles"



FLEXO

USE

Application	Plastics in the field of advertising or acquisition Technical applications in the industrial printing segment (fittings and accessories, automotive parts, clock-faces (watches), pharmaceutical items, trade fairs construction, printing of bottles and crates, a. s. o.) Glass finishing
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FUNCTIONAL COATINGS

PROPERTIES, PROCESSING, DRYING AND MESH

Mesh	77-55 Y PW PET 1000 up to 120-34 Y PW PET 1000
Drying / Curing	Jet- / Air drying, optionally oven drying 140-160°C – 45 minutes (do not forget to add hardener; see below). Especially when printing glass, the ink film should be oven cured to optimally reach the estimated product properties
Further Processing	Typical to end use



PAD



PREPRESS

ADDITIVES

Thinner	Series 600-017	Addition Ratio	10 - 15% by weight
Retarder	Series 600-018	Addition Ratio	10 - 15% by weight
Hardener	Series 600-HDI Series 600-HDS Series 600-GL	Addition: 25% by weight Addition: 25% by weight Addition: 5-10% by weight	Air drying Oven drying Oven drying



SCREEN



DIGITAL



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FUNCTIONAL
COATINGS



PAD



PREPRESS



SCREEN

VARIOUS

Delivery Conditions	1kg / 5kg / 25 kg
Other	Stir well before use With the additions of hardener, the resulting pot time (depending on color shade) is always > 8h; especially colors, finished with metal bronzes, lead to a faster pot time.

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. (10/2009)