

## PRODUCT GROUP 700

### Series 784

Highly resistant 2-C Pad Printing Ink



Highly opaque, glossy and fast drying pad printing ink, based on extremely resistant basic raw materials for printing of various plastics and metals, especially in the technical/industrial field of applications.

User-friendly system for highest chemical and mechanical stress; suitable for outdoor applications. Extraordinarily wide range of plastics and metals, used for technical applications. The used basic raw materials are specifically chosen for highest demand in conjunction with industrial orientated printing and guarantee for outdoor applications as well as for highest chemical and mechanical resistance. Various possibilities of bonding with respective hardeners (Series 700-HDI, Series 700-HDA, Series 700-HDS) allow a wide range of applications with individual settings. Detailed information on the variety of hardeners can be seen in the Technical Data Sheet of Series 700, Auxiliary agents for Pad Printing Inks.

This modern pad printing ink system is suitable for open inkwell equipment, for the conception of closed cup (pot) systems as well as for rotative machine concepts. It does not contain any ferrous raw materials to avoid magnetizing and following printing problems with closed machine concepts.

Ink rheology has been chosen in such way so that excellent leveling properties allow full area printing and inner thixotropy guarantees expression/printing of finest letters and lines. The solvent mixture secures a fogging free application and transfer from cliché to pad and pad to substrate at optimal pad printing behaviour.



#### SUBSTRATES

Soft and rigid-PVC	Polyester (pre-treated)	PA	PS, ABS, SAN
PMMA	PC	PP/PE (pre-treated)	Coatings and Metals



#### USES

<b>Application</b>	Technical Pad Printing
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#### PROPERTIES, PROCESSING, DRYING AND CLICHÉ

<b>Cliché</b>	Screened
<b>Drying / Curing</b>	Touch dry in 4-8 s / 80 °C or oven 120-140°C / 20-30 minutes
<b>Further Processing</b>	Specific to application



#### ADDITIVES

<b>Thinner</b>	Series 700-017	<b>Addition Ratio</b>	5-15 % by weight
<b>Retarde</b>	Series 700-018	<b>Addition Ratio</b>	5-15 % by weight
<b>Accelerator</b>	Serie 700-041	<b>Addition Ratio</b>	5-15 % by weight
<b>Hardener</b>	Serie 700-HDA/-HDS	<b>Addition Ratio</b>	25 % by weight





VARIOUS	
<b>Delivery Conditions</b>	1 kg / 5 kg / 25 kg
<b>Other</b>	The resulting pot time depends to the color shade, however, always > 8h



**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. (12/2011)

