



PRODUCT GROUP 400

Series 420

H₂O Screen Printing Ink for Plastics



Water dilutable, silky mat screen printing ink, based on high quality synthesis basic raw materials for printing onto various plastics and fibers. Since raw materials have been chosen for high quality requirements, outdoor use, as well as the additional bonding with hardener, Series 400-HD (for increased chemical resistance), is a given fact. Addition ratio approx. 2-5% by weight. Pot time > 24 hours. At a humidity of more than 40% relative humidity, Series 420 shows excellent sieve unclamping properties while printing. Series 420 is water dilutable and contains a low amount of spare solvents of <5% by weight. This is the reason, why Series 420 today is almost odorless, none-flammable and according to today's guidelines of dangerous goods, not to be declared. Series 420 is silky mat, fast drying, free from blogging, very flexible and shows good resistance against water and common glass cleaners or detergents.



SUBSTRATES

Soft- and rigid PVC	Tyvek	Polystyrene
Styropor	Paper, paperboards, cardboards	Wood, fibers



USE

Application	Plastics in the field of advertisement and displays, label- or sticker printing in the lower cost field of application onto PVC and coated Polyolefin self adhesive foils. Applications like signs for indoor use or packaging's made of rigid PVC.
	Graphical-decorative and functional applications for indoor use and outdoor use (short- to medium turn)



PROPERTIES, PROCESSING, DRYING AND MESH

Mesh	77-55 Y PW PET 1000 up to 120-34 Y PW PET 1000
Drying / Curing	Jet / air
Further Processing	Punching, cutting, grooving



ADDITIVES

Thinner	Press-ready tap water	Addition Ratio	- up to 20% by weight
Retarder	-	Addition Ratio	-



VARIOUS

Delivery Conditions	1 kg / 5 kg / 20 kg
Other	Stir well before use. Leveling irritations, caused by the substrate, can be overcome by adding of leveling agent Series 400-VM (0.5% by weight). The additive has to be well mixed in and does not affect the shelf capacity of the ink. Overdosing of Series 400-VM can reduce adhesion when overprinting.



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. (01/2009)