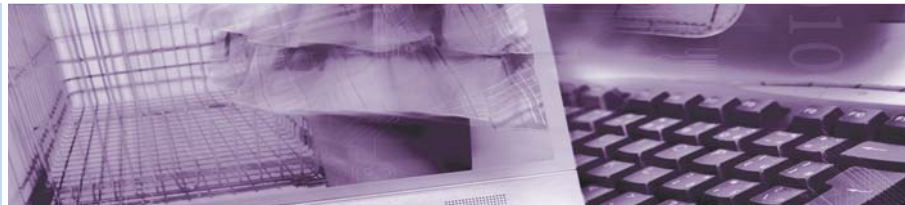


PRODUCT GROUP 140

Series 140-3103/XXX

Back print inks for Mirror Inks



A solvent based coating, established on rarely aggressive basic raw materials for protective back-printing of the mirror silver inks of Series 140-ME100/05 and Series 140-3102/XXX.

By using this method of back-printing, a protection of the mirror ink against mechanical stress is guaranteed and at the same time, opacity is increased. The special formula of Series 140-3103/XXX with its mild ingredients allows printing of the mirror silver ink, without negatively influencing (fogging) the mirror effect.

For best adhesion-results of the back-printing-inks on the mirror silver, we would recommend use of hardener, Series 600-HDS (addition ratio of 10:1 = 10% by weight). An alternative to eliminate pot time (resulting from addition of the hardener), a special adhesive agent, Series 600-GL could be used (addition ratio 5% by weight).

For adjusting of the printing viscosities, thinner Series 140-3103/017 (specially designed for this rear color) must be used; otherwise, the mirror effect will negatively be influenced by the solvents. Back printed layers which have been applied this way do absolutely and without any problems fulfill the requirements in regards to adhesion- (cross hatch test according to DIN EN ISO 2409 / GT 0) and tape tests.

At this stage, following colors are available as rear-colors:

- | | |
|----------------------------------|-------------------------------------|
| Series 140-3103/05, varnish | Series 140-3103/100, silver |
| Series 140-3103/00, white | Series 140-3103/102, rich gold |
| Series 140-3103/33, black | Series 140-3103/103, rich pale gold |
| Series 140-3103/27, cobalt blue | Series 140-3103/105, ducat gold |
| Series 140-3103/31, signal green | |
- More colors available upon request.



SUBSTRATES

Series 140-3102/XXX	Series 140-ME100/05
Information upon mirror inks is available from separate TDS, Series 140-ME100/05, respective Series 140-3102XXX.	



USE

Application	"Back-printing" of mirror inks
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PROPERTIES, PROCESSING, DRYING AND MESH

Mesh	77-55 up to 120-34 Y PW PET 1000, depending on desired opacity, also double-printing
Drying / Curing	Air or oven drying
Further Processing	-





ADDITIVES

Thinner	Series 140-3103/017	Addition Ratio	5-15 % by weight
Retarder	-	Addition Ratio	-



VARIOUS

Delivery Conditions	1 kg / 5 kg / 25 kg
Other	Stir well before use

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. (03/2012)