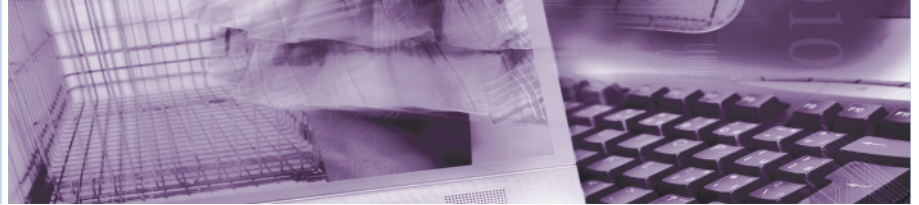


PRODUCT GROUP 140

Series 140-ME100/05
Solvent based Mirror Ink



Our solvent based mirror ink; Series 140-ME100/05 is suitable for printing of transparent plastics for reverse printing to reach a mirror-like effect.

By direct printing method, chrome-similar effects can also be achieved on dark substrates. Even without back-printing, the ink is abrasion- and scratch resistant on suitable substrates. For absolute "Tesa-resistance", approx. 2-3% of the hardener, Series 140-3102/GL can be added. On the other hand, this is also dependable on the substrate to be printed. The mirror silver is set press-ready; if necessary, the viscosity of the ink can further be reduced by adding thinner, Series 10-03428. To increase the opacity, the mirror silver can be back printed either with back printing white, Series 140-3103/00 or with back printing black, Series 140-3103/33. By means of this back-printing method, the protective function against mechanical stress is guaranteed and at the same time, the opacity is increased. Thanks to the choice of "mild" components, this special formulation allows printing of the silver mirror ink without affecting the mirror effect.

So that the back printing ink can develop an optimal adhesion on the mirror ink, the hardener, Series 600-HDA (addition ratio 10:1 [10%]) should be added. To avoid pot life (resulting from adding hardener), the special hardener, Series 600-GL (addition ratio 5% by weight), could be used.

To set the printing viscosity, the thinner, Series 140-3103/017 (which has specially been developed for back printing inks) must be used, because otherwise an impairment of the mirror effect will occur (caused by the attack of the solvent).

The back printing layers, applied by this procedure, perfectly fulfill the requirements of the adhesion test by crosshatch (GT 0) and Tesa test.

Please note, that the layer applied on the tissue could also influence the mirror effect. The additives contained in the layer could disturb the mirror effect when printing. Please check with your supplier before printing.



SUBSTRATES

PVC	PC	PMMA	PS
PET-variants	Glass (after pre-tests)		



USE

Application	Transparent plastics
--------------------	----------------------



PROPERTIES, PROCESSING, DRYING AND MESH

Mesh	140-31 up to 150-31 Y PW PET 1000
Drying / Curing	Forced air drying at 40°C
Further Processing	-



ADDITIVES

Thinner	Series 10-03428	Addition Ratio	5-15% by weight
Retarder	-	Addition Ratio	-
Hardener	If needed: 140-3102/GL	Addition Ratio	2-3% by weight

VARIOUS

Delivery Conditions	1 kg / 5 kg / 20 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. (05/2015)