

### SERIE 140-ME100/05

#### Mirror Ink, solvent based

Series 140-ME100/05, a solvent based mirror ink, is to be printed on the reverse surface (back side) of high glossy transparent films like PET, PC, PMMA and others. After drying a mirror-like effect is achieved. To allow perfect orientation of the metallic particles, the drying process has to be checked individually as too slow or too fast drying is influencing this.

Onto suited substrates the ink shows quite good abrasion and scratch resistance, even without protection coating, which is however recommended.

Printed onto first surface (front side) of dark substrates a chrome-like metallic effect is obtained, but no mirror. To increase tape test resistance an addition of 2-3% Hardener Series 140-ME20001/GL should be made.

The ink is press ready; if lower viscosity is required it can be diluted with Thinner Series 10-03428.

#### Protection inks:

As protection coatings and to increase opacity, we supply as mild inks

Overlay White 140-00/ME and

Overlay Black 140-33/ME, which are not attacking the mirror effect.

We recommend that these overlay inks are mixed with 10% Hardener Series 600-HDA, or

5% Hardener Series 600-GL –the latter is offering longer pot life.

Thinning is to be done only with Thinner Series 140-017/ME, which is a composition of very mild solvents thus preventing the mirror ink layer to be attacked and “blinded”.

Overlay inks printed accordingly are fulfilling the requirements of adhesion tests by means of scotch tape or cross hatch (GT 0).

#### Characteristics

|                 |   |
|-----------------|---|
| Thinner/Cleaner | : for mirror ink 5-15% Series 10-03428<br>: for overlay inks 10% Series 140-017/ME                                  |
| Retarder        | : none  |
| Hardener        | : for mirror ink 2-3% Hardener Series 140-20001/GL<br>: for overlay inks 10% Hardener 600-HDA or 5% Hardener 600-GL |
| Mesh            | : NEW mesh: PET 1500, 140-31 – 150-31 Y PW, only to be used for mirror ink  |
| Squeegee        | : NEW 70 Shore A, only to be used for mirror ink  |
| Drying          | : forced air drying at 40 °Cels.  |
| Exposure        | : Only indoor use/ Outdoor use has to be checked very carefully   |
| Hints and tips  | : avoid impurities like silicone or fingerprints<br>: Stir very well prior use                                      |
| Availability    | : Ex stock  |
| Packaging       | : 200g/1kg/5kg/20kg   |