

Series 140-3103/xxx

Background coating 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 (flogging) the mirror effect.

For the best adhesion-results of the back-printing-inks on the mirror silver, we would recommend use of hardener, Series 600-HAD (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 140-3103/00, White Series 140-3103/05, Varnish
Series 140-3103/33, Black

Specifications

Thinner	Series 140-3103/017
Addition ratio	5–15 % by weight
Retarder	-
Addition ratio	-
Hardener	Series 600-HDS
Addition ratio	10 % by weight
Cleaner	Series 300-URS
Mesh	77.55 – 120.34 depending on the desired coverage, also double printing
Drying / Curing	Air or oven drying
Substrates	Series 140-3102/100, Series 140-ME100/05
Indoor use / outdoor use	Indoor
Further processing	-
Over printing	-
Available colors	-
Available quantities	1 kg, 5 kg, 25 kg
Shelf life	24 months
Others	-

Important information: Our technical advice whether spoken, written, or through test trials corresponds to our current knowledge to inform about our products and their use. This is not meant as an assurance for certain properties of the products nor their suitability for each application. You are, therefore, obliged to conduct your own tests with our supplied products to confirm their suitability for the desired process or purpose. The selection and testing of the ink for specific applications is exclusively your responsibility. Should, however, any liability claims arise, such claims shall be limited to the value of the goods delivered by us and utilized by you with respect to any and all damages not caused intentionally or by gross negligence (T07, T35 / V02 / 08/2023).