

Series 640-05/REFLEX

Solvent-based Reflective Varnish

Series 640-05/REFLEX is part of Printcolor's Reflex range. These ink systems contain highly effective reflective particles, giving them a retro-reflective effect when exposed to light. The ink systems develop their maximum efficiency on dark substrates. The reflective inks are preferably used in advertising and automotive sectors (printing of reflective surfaces in advertising sector as well as for marking applications in outdoor areas), whereby special legislations apply to applications in public road traffic.

Series 640-05/REFLEX is a transparent reflective varnish with a light metallic shimmer. The series can be tinted with our MS highly transparent inks (see color chart with the article number PM-2004). This results in optically colored ink layers which, depending on the angle of illumination, reflect colorful dark silvery or silvery.

Ink layers applied with an approximately 43-thread mesh are externally resistant. To increase the chemical and mechanical resistance, 10 % by weight of hardener Series 600-HDA can be added. Post-varnishing reduces the reflection values and is therefore not advisable. The high reflection values of retro-reflective special films cannot be achieved with such ink systems.

Specifications

Thinner	Series 600-017
Addition ratio	10–20 % by weight
Retarder	Series 600-018
Addition ratio	5–15 % by weight
Hardener	Series 600-HDA
Addition ratio	25 % by weight
Cleaner	Series 600-URS
Mesh	43.80
Drying	Jet / Air
Substrates	ABS, SAN, Coated surfaces / powder coatings, Polyamide (pre-treated), Polyester (primered), Polyethylene (pre-treated), Polypropylene (pre-treated), Tritan™ (copolyester), composite materials
Indoor / outdoor use	Indoor / outdoor
Further processing	Punching, cutting
Available quantities	1 kg, 5 kg, 25 kg
Shelf life	24 months
Others	Stir well before use.

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. (T30 / 09/2021)