

Series 592-00/PC

White for Polycarbonate

The UV curing Series 592-00/PC is designed to laminate plastic cards such as identity cards.

Please note that Series 592-00/PC is scratch sensitive after printing. Therefore, please do not scratch for testing. The ink is thermoplastic, therefore, the final high bonding strength will develop during lamination.

We highly recommend adjusting the curing energy so that the surface is well-cured without tackiness. This is enough for further processing.

A possible machine setting consists of two lamps with at least 160 W/cm each. The first shall be a standard mercury vapor lamp, and the second shall be gallium-doped.

The curing energy is too high when the substrate begins to deform.

If the peel value is too low, please use a higher curing energy and/or a higher lamination temperature. Another option would be to add 5 % of Series 600-HDT. It is a thermo-induced hardener that doesn't give any pot life.

Overprintability is possible in general. However, you have to perform detailed pre-tests before offset printing.

Regarding its viscosity, Series 592-00/PC is press-ready. If necessary, ink dilution is possible with the special thinner Series 592-017 (addition ratio: 1–3 %).

Specifications

Thinner	Series 592-017
Addition ratio	1–3 % (only if necessary)
Retarder	-
Addition ratio	-
Hardener	Series 600-HDT
Addition ratio	5 % (only if necessary)
Cleaner	Series 500-URS
Mesh	120.34
Drying / Curing	600–800 mJ/cm ² (Technigraf Integrator)
Substrates	Polycarbonate
Indoor use / outdoor use	Indoor
Further processing	Laminating 170–190 °C, die cutting, emboss
Over printing	Yes, detailed pre-tests for offset
Available colors	-
Available quantities	1 kg, 5 kg, 20 kg
Shelf life	12 months
Others	Stir well before use. Ink acts as laminating adhesive.

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 (T31 / 07/2023).