

Series 590-T29-33/05

Thermochromic ink 29 °C, black/colorless, BPA-free

UV curing thermochromic ink with a color change temperature of approx. 29°C from black to colorless. The color change is reversible and repeatable. Typical applications include flyers, brochures, book covers, advertising material and packaging.

Please note the print film does not become completely transparent during color change because the inclusion pigments of the special functional materials are self-dispersing and therefore produce a visual effect. This gives a slightly "milky" look. The thermochromic ink should not be permanently exposed to a temperature within the color change range as this will inevitably result in aging.

Furthermore, please note that thermochromic inks are not completely opaque. Black thermochromic inks are usually preferred because they provide the best opacity at the lowest price. For applications that require good opacity, we recommend using a 43.80 mesh. Ink application can be optimized through the choice of doctor blade and machine settings.



THERMOCHROME
BPA-FREE

Formulation without bisphenol A

This thermochromic ink does not contain bisphenol A (BPA). Further information concerning BPA can be found on our website: <https://www.printcolor.ch/en/statement-bisphenol-a.html>.

Specifications

Thinner	Press-ready
Addition ratio	-
Retarder	Press-ready
Addition ratio	-
Cleaner	Series 500-BRS
Mesh	43.80
Curing	350 mJ/cm ² (Technigraf Integrator)
Substrates	Paper, cardboard, offset printed materials and OPP-laminate
Application (indoor / outdoor)	Indoor
Further processing	Punching, cutting
Overprintable	-
Delivery conditions	1 kg / 5 kg / 20 kg
Shelf life	12 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 for 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. This technical datasheet supersedes all previous datasheets, which thereby become invalid. (T28/T02/T12 / V1 / 04/2017)