

GOLD IS BEAUTIFUL

GRAVURE & FLEXO PRINTING

METALLICS

METALLICS





BRILLIANT METALLICS FOR FULL SURFACES AND FINE DETAILS

Printcolor's unique gold and silver printing inks Series 4110 allow you to achieve brilliant metallic effects on the most varied substrates. The solvent-based inks are incredibly easy to process and are perfect for printing everything from full surfaces to the finest details. The metallic colors also impress with high bond strengths when laminated.

The printed inks are highly crease-resistant and, depending on the substrate and process used, seal resistant up to a temperature of approx. 160 °C.

The bright and pure gold effect is based on high quality bronze pigments and wins out over conventional gold color imitations thanks to a beautiful metallic effect comparable with real gold. In addition, varying color concentrates allow them to be individually adjusted on site. The ink series meets European Printing Ink Association (EuPIA) standards regarding the use of printing inks in the production of food packaging. The formulation does not include any raw materials featured in the EuPIA's Exclusion Policy.

TECHNICAL DATA

SUBSTRATES

- PET
- OPP
- Polyamide
- Paper
- Cellophane XS
- Aluminum (laquered)
- PVC (Series 4120)
- Others

PRODUCT RANGE

Pure gold and silver color shades

- Series 4110-11000 Rich Pale Gold
- Series 4110-31000 Pale Gold
- Series 4110-61000 Rich Gold
- Series 4110-91000 Silver

Concentrates for individual color shades

- Series 4110-11001 Yellow Concentrate
- Series 4110-31001 Red Concentrate
- Series 4110-01000 Medium

Suitable laminating adhesives for high bond strenghts

- Solvent-free laminating adhesives
- Solvent-based laminating adhesives
- Water-based laminating adhesives

AUXILIARIES

- **Thinner** Ethanol : ethyl acetate (mixing ratio 8:2)
- **Accelerator** Increase mixing ratio of ethyl acetate
- **Retarder** Ethoxypropanol / methoxypropanol (as Dowanol PM™)

CHARACTERISTICS

- Very clear and pure gold effect in reverse printing
- Outstanding printability, almost identical to conventional yellow printing ink
- Low solvent retention and very little settling of metal pigments

PROCESSING

- **Gravure printing** 15-18" DIN / 4 mm, 20°C
- **Flexo printing** 20-35" DIN / 4 mm, 20°C (hardly any ink buildup on flexo printing clichés)

HEALTH, SAFETY & ENVIRONMENT (HSE)

Series 4110 meets non direct food contact packaging regulations:

- **EuPIA** Guidline on Printing Inks applied to the non-food contact surface of food packaging materials and articles
- **EuPIA** Exclusion Policy for Printing Inks and Related Products

Series 4110 does not contain:

- Toluol
- Methyl ethyl ketone (MEK)
- BADGE, BFDGE & NOGE

SPECIAL FEATURES & TIPS

- **Solvent recovery** A mono-solvent setting is available for solvent recovery installations.
- **Storage** The products can be stored for up to six months in the sealed original container.
- **Press return** Press return can be reused when stored properly.
- **Seal** Heat sealable up to approx. 160°C, depending on the substrate and sealing method.

YOUR SATISFACTION IS OUR MISSION

As an owner-managed Swiss family company, we develop, produce and sell printing inks of the very highest quality. Guided by our core values of quality, innovation, flexibility, trust and a human touch, we serve our customers with approximately 80 employees, who develop and produce customized solutions and high-end standard products in proven Swiss quality. We also have a global network of sales partners to ensure that customers all over the world benefit from our expert support in their local area.

We have made producing first-rate quality inks our tradition, and satisfying our customers is a matter of course for us. To us, this means more than completing an order in a timely and flexible manner. It is about offering competent support throughout the entire process:

- › Technical data sheets and transparent documentation
- › High-quality documents and resources, e.g. easyMEMO
- › Taking into account each customer's specific requirements
- › Solution-oriented implementation
- › Experts on call
- › Quality guarantee
- › Extensive testing and qualified analyses
- › Safe and documented processes

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