
PRODUCT INFORMATION

Gold and Silver inks

offset

The metallic ink range for sheetfed offset includes gold, silver and metallic mixed colors. Metallic inks are used for high-quality prints and are available as printable 1-component inks or as 2-component inks. An excerpt from our product range is shown in the corresponding sample folder.

COLOUR CODES

Colour tone	1-C-Ink	2-C-Paste	2-C-Varnish	Ratio
Rich Gold	132878	61639	583	1:1
Rich Pale Gold	132879	65359	583	1:1
Pale Gold	132880	61769	583	1:1
Silver	63950	525	675	1:3
Silver wet on wet	67240			
PANTONE® Gold inks				
PANTONE® 871 C	132871			
PANTONE® 872 C	132872			
PANTONE® 873 C	132873			
PANTONE® 874 C	132874			
PANTONE® 875 C	132875			
PANTONE® 876 C	132876			
PANTONE® Silver inks				
PANTONE® 877 C	72082			
PANTONE® 877 C high gloss	132877			
PANTONE® 877 C suitable for finishing	127877			
PANTONE® 10077 C non leafing	116396			

APPLICATION NOTES

- Best gold– and silver effect can be achieved on coated substrates
- Bronze paste and varnish should be mixed together shortly before printing
- Best coverage can be achieved with two pressure cycles
- Fountain water setting should be as neutral as possible (not below pH 5.5) and kept as low as possible
- For problematic print images f. e. with reverse lettering or full surface printing we recommend to use IPA
- Substrates should be in neutral pH range
- Only use oxidatively drying inks for printing on bronze inks
- In case of subsequent finishing such as UV varnishing, dispersion varnishing, film lamination or dried metal-effect inks, a pre-test should be carried out to check adhesion or influence on changes in colour tone (metal-effect inks do not have alcali fastness). As silver ink in such cases, we recommend silver 127877 which is suitable for finishing.
- For two-component inks, the mixing ration paste : varnish should be
 - for gold colours 1:1
 - for silver colours 1:3

By changing the mixing ratio, an increase or decrease of the metal effect can be achieved. This also influences the mechanical resilience (more paste → reduced rub resistance)

- Leftover of metallic inks must not be returned to the can after use. Fount solution which is released to the ink reacts with the effect particles of metallic ink and leads to oxidation and gas generation in the can.

STORAGE

Metallic inks should be stored at temperatures below 25°C (77°F). Too high or too low temperatures may damage the product (oxidation or failure of poorly soluble components of the ink).

The shelf life is 12 months.

Note: This technical description is intended to inform and advise you. It corresponds to our current state of knowledge. However, since the specific application depends on a number of factors over which we have no influence, no guarantee and liability for the pressure failure can be derived.