

# METAL PRINT<sup>®</sup>

## OIL BASED METALLIC INKS

### Description

- Press ready oxidative drying metallic ink series for application in offset sheet fed printing.
- Good performance on a wide range of applications and print designs from very large flatbed to very fine detailed prints on coated uncoated paper and board.

### Features

- Excellent printing performance and ink transfer on high speed presses
- Very good flow properties
- Quick setting and drying
- Outstanding over-printability

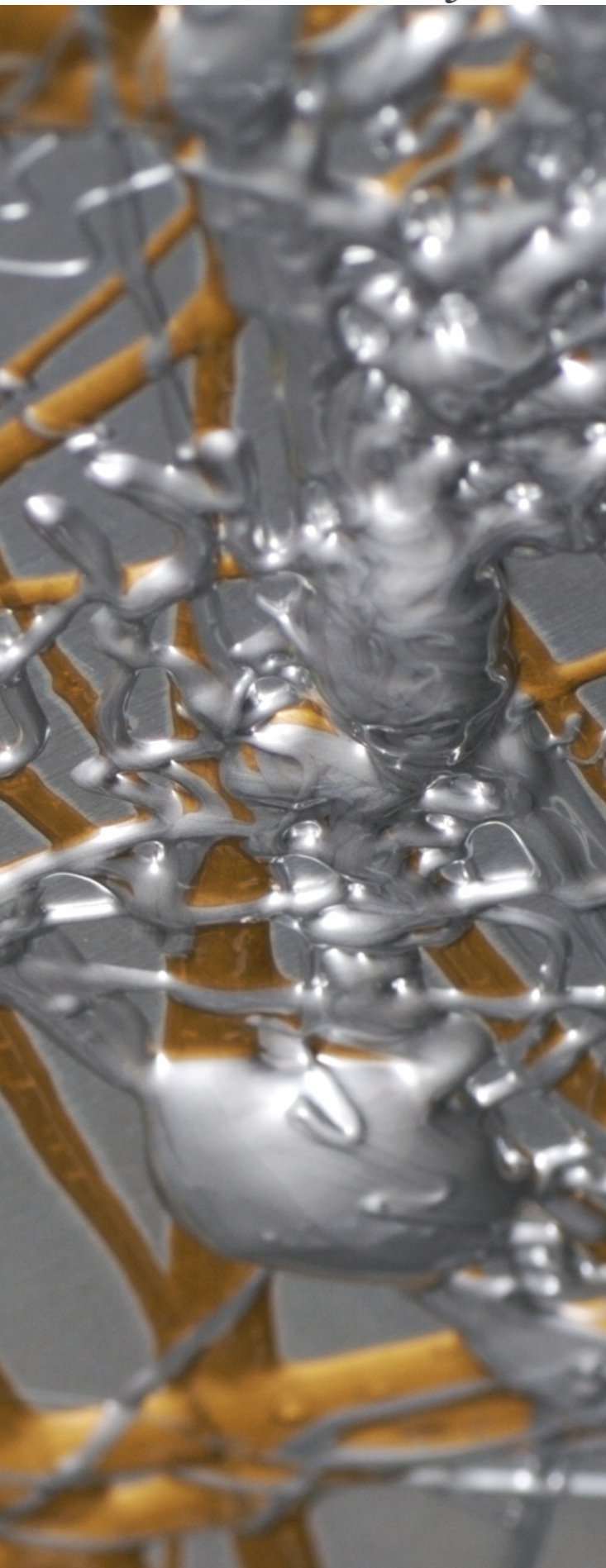
	Code	Light Fastness	Resistance to		
			Alcohol	Nitro	Alkali
Pantone 871	19/OS/1010	8	+	+	-
Pantone 872	19/OS/1027	8	+	+	-
Pantone 873	19/OS/1030	8	+	+	-
Pantone 874	19/OS/1028	8	+	+	-
Pantone 875	19/OS/1029	8	+	+	-
Pantone 876	19/OS/1031	8	+	+	-
Pantone 877	17/OS/1013	8	+	+	-

Legend: 1-8 Light fastness; + Yes; - no

### Storage

To ensure maximum stability inks should be stored in the originally vacuum closed tins at temperatures below 25 °C. Freezing and rapid temperature changes are to

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## **Shelf life (valid from date of filling)**

At least 12 months in originally closed tins.

## **Application Recommendations**

These series is designed for printing on coated papers, labels, boards, brochures and packaging materials. Best results are achievable on coated paper. For highest color intensity and coverage we recommend 1-1,5 g/m<sup>2</sup>. Metalprint performs well on all types of offset presses and is compatible with a wide range of fountain additives. Fountain solution pH- value of 4.8 – 5.6 is recommended.

METALPRINT should be remixed before usage.

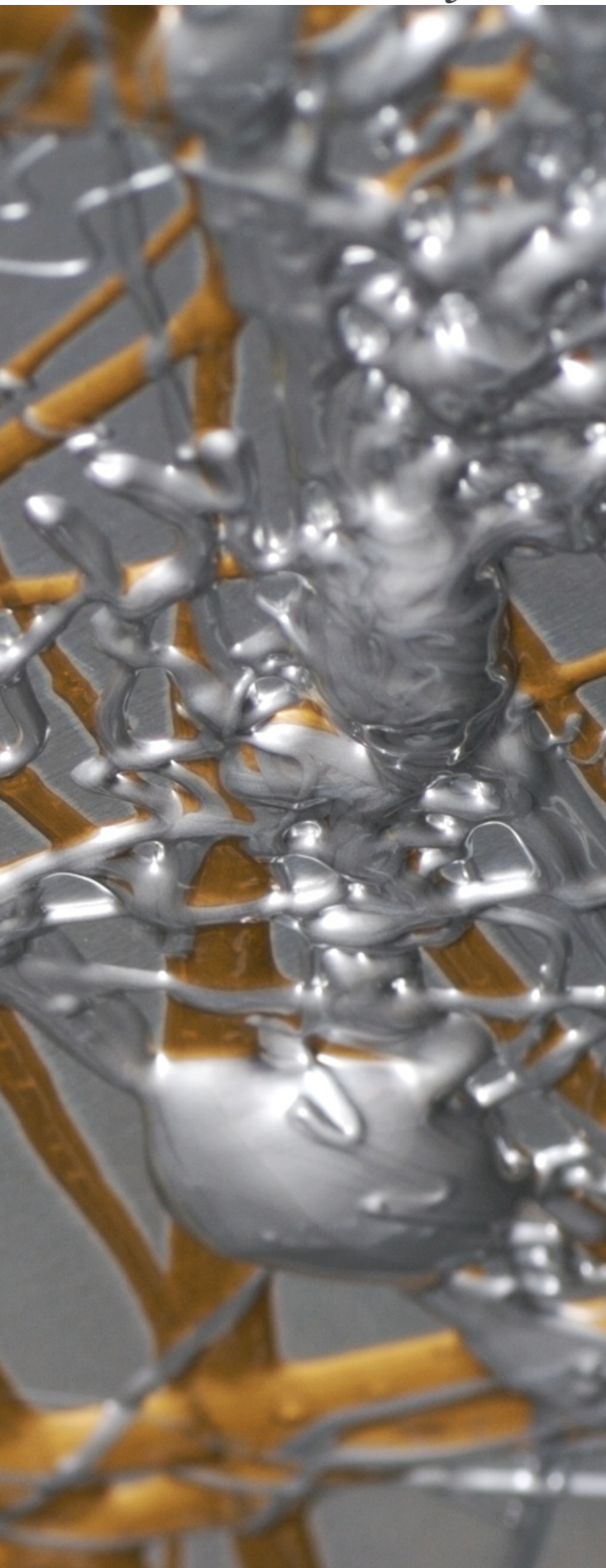
## **Resistance Characteristics**

In order to avoid color changes avoid direct contact with certain solvents and chemicals. Therefore applying chemical resistant overprint varnish is recommended where appropriate. Due to the leafing characteristics of METLAPRINT inks the rub resistance properties can be improved by overprinting with a suitable varnish. METALPRINT is based on non-leafing aluminum pigments and is designed for excellent adhesion to substrate and rub resistance. This ink can be used with or without overprint varnish. METALPRINT Silver inks have light fastness values of 7 – 8, and Bronze inks - 5 on the Blue Wool scale acc. DIN 54003 (1-poor, 8-excellent).

## **Food Contact**

METALPRINT is not intended for direct food contact. When printing food packaging, a suitable functional barrier should be maintained between food and printed surface.

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## Overprintability

METALPRINT inks are compatible with a wide range of overprint varnishes. Coating with water based, UV-curing or oil based lacquers is recommended in order to enhance the resistance properties and to protect the metallic effect. Because of the tendency of metallic pigments to re-orientate to the surface of the printed ink film in-line coating is preferable. For off-line overprinting the varnishing should be carried out within 1-2 days. The varnishability/lamination properties of metallic inks are highly dependent upon the substrate absorbency and the adhesion and surface wetting properties of the overprint lacquer. Therefore results can vary widely or even have an impact on the metallic ink performance. Therefore tests prior to production runs are recommended. Please consult also the technical advice for Over varnishing and lamination of Offset Metallic inks.

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