



# UV PACK METALPLUS R LM

## SERIES

UV PACK METALPLUS R LM is a low migration, low odour metallic ink designed for UV curing. Specially formulated for Sheetfed Offset UV and UV Letterpress printing. It incorporates ultra-fine bronze and aluminium pigments, with an average size of 3 microns, ensuring exceptional metallic brilliance. This two-component series, UV LM varnish + UV LM paste, allows for the reproduction of metallic Pantones from Pantone 871 to Pantone 877, offering high precision and quality results.

### Substrates

- Coated paper, coated board, and metallized paper
- PVC / PP / PE and metallized polyester
- Synthetic substrates (pre-testing recommended)

### Mixing Ratio for PANTONE® 871 to 876 Gold:

- Paste: 0.400 kg
- Varnish: 0.600 kg

### Mixing Ratio for PANTONE® 877 Silver:

- Paste: 0.250 kg (1 part)
- Varnish: 0.750 kg (3 parts)

### Printing behaviour

- Very good transfer with fast curing
- Very good stability
- High gloss and metallic effect
- Excellent coverage with very good definition of fine details
- Excellent machine transfer at high printing speeds thanks to the fineness of the pigment. This ensures a good distribution and transfer on rollers, guaranteeing high productivity

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## Technical data

| PANTONE             | References                         |
|---------------------|------------------------------------|
| PANTONE® 871 GOLD   | PASTA UV LM 871 + BARNIZ UV LM 871 |
| PANTONE® 872 GOLD   | PASTA UV LM 872 + BARNIZ UV LM 872 |
| PANTONE® 873 GOLD   | PASTA UV LM 873 + BARNIZ UV LM 873 |
| PANTONE® 874 GOLD   | PASTA UV LM 874 + BARNIZ UV LM 874 |
| PANTONE® 875 GOLD   | PASTA UV LM 875 + BARNIZ UV LM 875 |
| PANTONE® 876 GOLD   | PASTA UV LM 876 + BARNIZ UV LM 876 |
| PANTONE® 877 SILVER | PASTA UV LM 877 + BARNIZ UV LM 877 |

## Regulatory

- This range accomplishes with EuPIA exclusion list for printing inks and related products, as well as with the heavy metals' limits laid down in the Directive 94/62/EC.

The aim of our technical documents is to inform and advise our customers. The information provided herein is correct to the best of Martínez Ayala's knowledge and belief. No liability for any errors, facts or opinions will be accepted. Customers must verify and test by themselves the suitability of this product for their application. No liability for any loss as a result of any person placing reliance on any material contained herein will be accepted.

## Recomendaciones

- **Cleaning:** It is not necessary to clean the press immediately after printing. This ink does not cure in the machine and can therefore be used the next day. However, the ink may begin to polymerize in the machine if exposed to sunlight or UV light from lamps.
- **Rollers:** The use of EPDM (Ethylene-Propylene-Diene-Monomers) rollers is recommended, as they show excellent performance with UV ink. These rollers are not suitable for conventional oil-based ink, as they may swell upon contact with aliphatic hydrocarbons. Certain UV metallic inks may also cause EPDM rollers to expand. Nitrile rubber experiences minimal swelling with UV and conventional oil-based inks. Solvents such as glycol or acetates tend to expand rubber compounds. This ink can be used with most printing plates available on the market.
- **Shelf life:** The UV PACK METALPLUS R LM series has a shelf life of 12 months. This warranty covers twelve months from the date of manufacture. In order to have this warranty, certain recommendations should be followed: keep the ink at a storage temperature between 15-20°C and do not expose it to heat or direct sunlight. If possible, store it in a dark room. **Once the two components are mixed, the ink must be printed within 24 hours.**
- **Additives:** Different additives can be used to improve the characteristics of this ink: from dampening additives, cleaning solutions, anti-tack paste, photoinitiators and solvents.

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