



# UV PACK METALPLUS R

## SERIES

UV PACK METALPLUS R is an UV-curable metallic ink designed for sheetfed offset UV and UV letterpress printing. Its formulation incorporates bronze and aluminum pigments of ultra-fine size (3 microns), which guarantees an exceptional metallic shine. Specially recommended for high quality label and packaging printings.

### Substrates

- Coated paper, coated cardboard and metallized paper.
- PVC / PP / PE and metallized polyester.
- Synthetic substrates, pre-testing recommended.

### Printing behaviour

- Very good transfer with fast curing.
- Very good stability.
- High gloss.
- Excellent covering power with very good definition in fine details.
- Excellent transfer on press at high printing speeds due to the fineness of the pigment. This facilitates good distribution and transfer on the rollers, which ensures a very good productivity.

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## Technical data

		LIGHT (WS)	ALCOHOL	NITRO	ALKALI
		Fastness properties in accordance with ISO 12040 and ISO 2836			
C000000064	UV PACK PANTONE 877 SILVER METALPLUS R	8	+	+	+
C000000067	UV PACK TINTA ORO RICO 871 METALPLUS R	5-6	+	-	-
C000000068	UV PACK PANTONE 872 METALPLUS R	5-6	+	-	-
C000000065	UV PACK TINTA ORO RICO PALID 873 METALPLUS R	5-6	+	-	-
C000000580	UV PACK PANTONE 874 METALPLUS R	5-6	+	-	-
C000000581	UV PACK PANTONE 875 METALPLUS R	5-6	+	-	-
C000000318	UV PACK PANTONE 876 METALPLUS R	5-6	+	-	-

## 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 on press and, therefore, can be used the next day. However, the ink may start to polymerize in the press if it is exposed to sunlight or UV light from lamps.
- **Rollers:** The use of EPDM (Ethylene-Propylene-Diene-Monomers) rollers is recommended, as they show excellent behavior with UV ink. These rollers are not suitable for conventional grease inks as they may expand in contact with aliphatic hydrocarbons. Certain metallized UV inks can also cause EPDM rollers to expand. Nitrile rubbers experience minimal dilatation with UV inks and conventional grease inks. Solvents such as glycol or acetates have some propensity to expand the rubbers. This ink can be used with most plates on the market.
- **Shelf life:** The UV PACK 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.
- **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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