



UV PACK H-ECO METALPLUS R

SERIES

UV PACK H-ECO METALPLUS R is a series of low-energy UV curing metallic inks designed for LED/HR/LE-UV/H-UV Offset systems in Sheetfed UV Offset printing. Its formulation includes ultra-fine bronze and aluminium pigments with an average size of 3 microns, ensuring exceptional metallic brilliance.

Substrates

- Coated paper, coated board, and metallized paper.
- PVC / PP / PE and metallized polyester.
- Synthetic substrates – prior testing recommended.

Printing behaviour

- Stable and high-quality printing results.
- Fast curing with minimal LED/HR/LE-UV/H-UV energy.
- Ideal for paper and board.
- Suitable for printing in compliance with ISO 12647-2.
- Good gloss and high colour intensity.
- Suitable for corona-treated vinyl, pretreated plastic films, and PP films.
- Not suitable for food packaging printing.

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Technical data

		LIGHT (WS)	ALCOHOL	NITRO	ALKALI
		Fastness properties in accordance with ISO 12040 and ISO 2836			
C000000518	UV PACK H-ECO PANTONE 877 SILVER METALPLUS R	8	+	+	+
C000000697	UV PACK H-ECO PANTONE 871 GOLD METALPLUS R	5-6	+	-	-
C000000517	UV PACK H-ECO PANTONE 872 GOLD METALPLUS R	5-6	+	-	-
C000000747	UV PACK H-ECO PANTONE 873 GOLD METALPLUS R	5-6	+	-	-
C000000748	UV PACK H-ECO PANTONE 874 GOLD METALPLUS R	5-6	+	-	-
C000000749	UV PACK H-ECO PANTONE 875 GOLD METALPLUS R	5-6	+	-	-
C000000750	UV PACK H-ECO PANTONE 876 GOLD METALPLUS R	5-6	+	-	-

Regulatory

- It complies with the EuPIA Exclusion Policy for printing inks and related products and with the heavy metal limits indicated in Directive 94/62/EC.

The objective of our technical documents is to inform and advise our customers. The information provided here is correct to the best knowledge and understanding of Martínez Ayala, S.A. No responsibility is accepted for errors, facts, or opinions. Customers should ensure the suitability of this product for their application. No liability will be accepted for losses resulting from reliance on the product described in this document.

Recomendaciones

- Cleaning:** It is not necessary to clean the press immediately after printing. This ink does not cure inside the machine and can be used the next day. However, the ink may begin to polymerize if exposed to sunlight or UV light from lamps.
- Rollers:** The use of EPDM (Ethylene-Propylene-Diene-Monomer) rollers is recommended, as they exhibit excellent performance with UV ink. These rollers are not suitable for conventional oil-based inks, as they may swell upon contact with aliphatic hydrocarbons. Certain UV metallic inks may also cause EPDM rollers to expand. Nitrile rubber rollers experience minimal swelling with both UV and conventional oil-based inks. Solvents such as glycol or acetates tend to expand rubber compounds. This ink is compatible with most printing plates available on the market.
- Shelf Life:** The UV PACK H ECO METALPLUS R series has a 12-month shelf-life guarantee from the date of manufacture. To maintain this guarantee, certain storage recommendations should be followed: store the ink at a temperature between 15-20°C and avoid its exposure to heat or direct sunlight. If possible, store in a dark room.
- Additives:** Various additives can be used to enhance the characteristics of this ink, including wetting additives, cleaning solutions, anti-tack paste, photoinitiators, and diluents.

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