



PANTONE® BASIC UV PACK

SERIES

PANTONE® BASIC UVPACK is a UV-curable offset printing ink characterized by very good adhesion and excellent rub resistance on low absorbent substrates. This series has been formulated with carefully chosen raw materials to minimize the risk of migration and to have very low odor. It contains no raw materials included in the UNECE or TSCA exclusion list. In addition, it does not contain Benzophenone or ITX.

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.

Printing behaviour

- Application: letterpress and wet offset
- UV curing speed: 300 m/min or 9000 sheets/hour, with a configuration of 3 lamps of 120 W/cm.
- Substrates (minimum surface tension 38 dynes/cm): high gloss paper and board, hard and soft vinyl, PVC, varnished metals, pre-treated plastic film.

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Technical data

		LIGHT (WS)	ALCOHOL	NITRO	ALKALI
Fastness properties in accordance with ISO 12040 and ISO 2836					
C000000090	UVPACK TRANSPARENT WHITE				
C000000392	UVPACK OPAQUE WHITE				
C000000340	PANTONE® BASIC YELLOW UVPACK	5	+	+	+
C000000330	PANTONE® BASIC ORANGE UVPACK	5	+	+	+
C000000332	PANTONE® BASIC WARM RED UVPACK	3	+	-	-
C000000333	PANTONE® BASIC 032 RED UVPACK	6	+	+	+
C000000334	PANTONE® BASIC RUBINE RED UVPACK	5	+	+	-
C000000377	PANTONE® BASIC RHODAMINE RED LF UVPACK	7	+	+	+
C000000328	PANTONE® BASIC PROCESS BLUE UVPACK	8	+	+	+
C000000320	PANTONE® BASIC GREEN UVPACK	8	+	+	+
C000000331	PANTONE® BASIC BLACK UVPACK	8	+	+	+
C000000327	PANTONE® BASIC REFLEX BLUE LF	7	+	+	+
C000000376	PANTONE® BASIC 072 BLUE LF UVPACK	7	+	+	+
C000000336	PANTONE® BASIC PURPLE LF UVPACK	7	+	+	+
C000000338	PANTONE® BASIC VIOLET LF UVPACK	7	+	+	+

Recommendations

- **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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