

WB FLEXOGRAPHIC ULTRAPERMANENT INKS FOR PAPERS, FILMS AND FOILS

Phoenix Inks ultrapermanent range uses the highest grade automotive pigments for maximum lightfast properties and optimum resistance properties. Extensive tests have proved these pigments suitable for U L and BS5609 approval.

Experience has shown these inks to be compatible with most top-coated synthetic materials commonly used in today's narrow web market.

SHELF LIFE

Ultraperm inks 6 months

Products will in most cases exceed the guaranteed shelf life, but if in any doubt please contact our technical department for advice.

Protect from freezing and avoid heat above 28°C.

Mix or shake well before use as some phase separation may occur after prolonged storage.

PRODUCT RANGE

- Full Pantone shade reference including all 1012 mixes
- Balanced 4 color process set
- Special spot color mixes (min. 1 kg)
- Opaque white also available.

PRODUCT COMPATABILITY

Phoenix ultraperm inks have been formulated to be compatible with as many different water based inks as possible, to allow a smooth and cost effective change to this excellent system without wasting your current inventory. Mixing Phoenix ultraperm inks with other manufacturers' inks may reduce its resistance properties and have a detrimental effect on its printability, so be careful to check that the printed label has the resistance properties that you require.

Our specific test reports und recommendations do not constitute a guarantee of performance and do not relieve you from the obligation to test for your own intents and purposes. All information is given in good faith and is correct to the best of our knowledge at the time of the last update.

BW LIGHTFAST PROPERTIE

The minimum Blue Wool Scale reading for these products is 7. This grades the ink as ultra permanent and suitable for prolonged exposure to ultra violet light.

BWS is a guide to resistance under controlled conditions and should not be mistaken for outdoor all weather resistance. These inks are manufactured using automotive grade pigments and display the maximum resistance of any Flexographic product available.

WATER RESISTANCE

Maximum resistance will develop 24 hours after printing. Under normal conditions this will be suitable for chill cabinet application. No water based product is waterproof. Inks will have varying degrees of water resistance, depending on their formulation. For maximum resistance the use of the appropriate varnish is recommended.

The use of a cross linking agent with these products has passed UL approval and is acceptable for BS5609 application.

HEAT RESISTANCE

220°C 5 seconds dwell time ink to metal @ 20 psi

CLEANING RECOMMENDATIONS

Phoenix Inks ultraperm series products are fast drying to allow maximum press speeds and the quick development of resistance properties. It is therefore important not to let the ink dry on rollers, anilox or printing plate, as cleaning will be more difficult.

ADHESION

Phoenix Inks ultraperm products will adhere to the vast majority of substrates commonly used in narrow-web converting.

Because of the wide variety of top coatings and treatment levels, it is strongly recommended that printers test particular combinations before embarking on print runs.

CAUTION

As with most film series inks, successful overprinting with today's variable information printers is more difficult. A range of receptive varnishes is available to allow successful overprinting. Some ultra-perm pigments are not an exact reproduction of the Pantone shade reference. Please consult our technical department for further advice.