



## **PANTHER**

### **FLEXO/GRAVURE**

**(Prefix MR & MRS)**

#### **DESCRIPTION**

A range of hydrocarbon free polyamide inks designed for good quality general purpose printing on a variety of substrates. Offers higher heat resistance than the Puma system so can be printed in the heat seal area of polyethylene bags/sacks.

#### **TYPICAL PROPERTIES**

Very good wet and dry rub resistance.  
Very good deep-freeze resistance. (Subject to customer specific tests)  
Heat resistant to 160°C (dependent on dwell time & pressure).  
High & low slip versions available  
Non blocking, ink/ink and ink/treated film.

#### **SUBSTRATES**

Shows excellent adhesion to a wide variety of substrates such as high and low density treated polythenes, treated polypropylene, papers & some cellulose films.  
N.B. Treated films should have a treatment level of 38-42 dynes/cm.

#### **REDUCERS**

Tolerant to a wide range of alcohols/esters such as:  
Normal: Ethyl Alcohol/N Propyl Acetate: 4/1  
Fast: Ethyl Alcohol/Ethyl Acetate: 4/1  
Slow: N Propanol/N Propyl Acetate: 4/1  
Ethoxy Propanol with above mixtures to retard inks.

N.B. care should be taken in the use of retarders as they may lead to odour or set-off in the reel; to enable clean running at slow speeds we have developed Panther-MRS which uses Alcohol /acetate mixtures for reduction to press viscosity.

#### **COLOUR RANGE**

Available in a wide range of bright colours that demonstrate good general properties although care should be taken to ensure that the ink being used is suitable for the end use intended as prolonged exposure to light will necessitate the selection of special pigments. A high lightfast range can be supplied on request.

Colours are matched under D50 lighting.

#### **QUALITY ASSURANCE**

Products with the prefix and product name specified above are Quality Controlled to Mirage Inks Test Specification No 4 as described in the test manual.  
Details of all tests are available on request from our technical department.

The information given above is supplied as a guide only with the properties achieved under laboratory conditions. Mirage Inks Limited strongly recommends that you satisfy yourself as to the suitability of the product with trials. Please consult our laboratory to discuss any different requirement. As particular conditions of use and variations in quality of materials and substrates being used are outside our control, it is therefore not possible to guarantee the performance of our products.

Products supplied under this ink name / prefix, are best used within a six month period from the date of manufacture (as specified on the product label). In-line with Mirage Inks Ltd ISO 9001 procedures, retained batch samples for any product supplied under this ink name / prefix, are retained & stored at room temperature for a period of six months from the date of manufacture.

Should the product be used outside of this six month period, Mirage Inks Ltd. have no reference sample for comparative & test purposes, so cannot investigate or be held responsible for any print related problems. Mirage Inks Ltd will not accept liability for any claim arising as a consequence of a laboratory colour matching being offered to our customer in good faith, and then subsequently Mirage's customer failing to obtain approval from their customer prior to printing / production.

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