



(Prefix MAG)

**DESCRIPTION**

The Glacier range of inks has been developed to meet the requirements of today's customers who require high quality, bright/strong water based inks. These inks have been developed for labels, pre-print, & high quality post-print work.

**PROPERTIES**

Bright and strong with good transfer properties allowing a degree of reduction.\*  
 Low foaming  
 Good gloss  
 Good rub and scuff resistance.  
 Good wet rub resistance.  
 (As with all water-based inks frost damage is irreversible - store above 5°C).  
 \*Pantone base range MAG57878 through to MAG57891 are supplied at press ready viscosity.

**SUBSTRATES**

Glacier inks are suitable for printing gloss labels, coated & uncoated paper surfaces, including multibags & corrugated board. Glacier inks dry quickly mainly by absorption into the substrate and can be overprinted in line and reeled or converted directly into bags etc. without smearing/scratching. Glacier inks are not suitable for printing uncoated thermal papers.

**ADDITIVES**

The inks are designed to be reduced with water, however, to enable clean running at slow speeds a retarding additive, AX343, can be supplied. AX343 should be added in 1% additions to a maximum of 5%. To weaken the colour, medium (MAG56912) is recommended so that loss of properties does not occur.  
 On longer print runs the use of AX319 stabiliser is recommended to control pH. AX319 should be added in 0.5% additions approximately every 2 hours to maintain a pH of 8.5 to 9.5.  
**IMPORTANT: All additives will change the characteristics of the ink on the press. It is important that the print quality and drying speed is monitored when making additions to the ink to ensure that the ink continues to meet the required specification.**

**COLOUR RANGE**

Glacier can be supplied as a blend range or pre-matched to our customers preferred shades (see attached list)  
 When Glacier inks are used for pre-print work a gloss/heat resistant overlacquer is recommended. Colours are matched in daylight/under daylight tubes unless specified with order.

**QUALITY ASSURANCE**

Products with the prefix and product name specified above are quality controlled to Mirage Inks Test Specification No 23 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 recommend 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 is 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.

# GLACIER RANGE

## Base Range

MAG56901	GLACIER Green Shade Yellow Base
MAG56902	GLACIER Red Shade Yellow Base
MAG56903	GLACIER Orange Base
MAG56904	GLACIER Warm Red Base
MAG56905/2	GLACIER Rubine Base
MAG56907	GLACIER Violet Base
MAG56909	GLACIER Cyan Base
MAG56910	GLACIER Green Base
MAG56911	GLACIER Black Base
MAG56912	GLACIER Medium
MAG56913	GLACIER White Base
MAG56917	GLACIER Rhodamine

## Overlacquer

MAG56645	GLACIER Gloss Overlacquer
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## Cleaner & Additives

AX381	Waterbased Ink Cleaner
AX319	Waterbased Stabiliser
AX343	GLACIER / SAPPHIRE PP RETARDER

## DEFOAMERS:

	AX272	AX405	AX305
GLACIER	*	**	***

*Number of \* refers to the defoamer 'activity'.*

*Care must be taken as the higher the \* rating the more likely the defoamer is to cause surface defects on the print.*

*Therefore, use the lowest possible \* rating to counteract foaming problems.*

*AX272 contains a 'mineral oil' based defoamer which can cause swelling of photopolymer plates if used in high concentrations.*