



## MIRACURE

(Prefix MXY / MXN)

### DESCRIPTION

A 2 pot ink system for Flexo and Gravure processes which adheres well to a variety of substrates. It's a thermally activated curing system which gives excellent chemical resistance properties. **It must be thoroughly dried at or above 60°C for the inks to develop their full technical properties.**

### PROPERTIES

Excellent grease resistance.  
Excellent chemical resistance. (Subject to customer specific tests)  
Miracure lacquer increases the durability of the Tempest ink range – chemical resistance & weathering.  
Good press stability.  
Heat resistance to 200°C.  
Quickly gains resistance properties after drying with heat (**60°C minimum**) & then provided all the solvent in the ink is driven off.  
24 hours usable once mixed.

### SUBSTRATES

Main use is on polythene, polypropylene and polycoated boards which have been corona treated to 38-42 dynes, but can also be used on polyamide, paper and foil substrates – but check with Mirage development department for suitability on substrates, as some film additives and binders can inhibit or poison the curing reaction.

### REDUCERS

N.B. This system is supplied as a 2-pot package consisting of ten parts of ink and one part of accelerator (MX19401, or high strength MX39579 – for faster reaction).

These must be thoroughly mixed before further reduction with solvents:

4/1 meths/ethyl acetate

4/1 Normal propanol/Normal propyl acetate

Retarders should be used with care as they may lead to set off in the reel & / or poor cure and resistance properties.

### COLOUR RANGE

A full range of colours is available in the Miracure range and whilst they demonstrate reasonable properties we recommend consultation with our laboratory on specific properties and applications. Colours are matched under D50 lighting.

The Miracure system is also available as a clear 2 pot overlacquer which is able to give enhanced resistance properties over many of our conventional ink systems.  
(10 parts: 1 part, 10 parts MXY19479/1:1 part MX19401).

### POT LIFE

It must be realised that this system once mixed with MX19401 only has a useful machine life of **24 hours**. Mixed ink must be regarded as waste. All equipment, stereotypes, cylinders, ducts and pump systems must be well cleaned. Ink more than 2 days old may not resolubilise in any solvents.

### QUALITY ASSURANCE

Products with the prefix and product name specified above are Quality Controlled to Mirage Inks Test Specification No 39 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.

Issue 8  
29.08.19