



Australian Specialty Inks Pty Ltd

ABN 71 002 591 620

17 Reaghs Farm Rd, Minto NSW 2566

Telephone: (02) 9603-3399 Fax: (02) 9603-7761

Website: www.austspecialtyinks.com.au

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PRODUCT INFORMATION

MONOKAN

Main Characteristics

Finish	Drying	Thinner Wash up	Mesh	Stencil	Coverage	Application	Colour Range
Gloss	Jet dry in seconds, touch dry approx 20 minutes. Full cure 7 days air dried.	Thinner MK 180 Retarder MK 182 Wash Up SU5112	Mono Filament fabric 62t to 140t.	Any solvent resistant or dual cure emulsion.	Approx 55 sq. Mt per kg.	Refer to A.S.I. ink selector chart.	9 Standard 8 Basic Pantone Plus Black and White. Special colours as required.

PRODUCT DESCRIPTION:

The Monokan ink system is the result of long research into achieving the excellent adhesion properties normally related to a two pot ink system in a one pot system. Monokan is a blocked catalyst system, which means that the ink remains quite stable in the can, but after printing, the catalyst reacts to improve adhesion and general product resistance. Maximum adhesion and product resistance will be achieved after (7) days air curing, however final cure of the product can be accelerated by heat curing the print for a period of 10 minutes at 93 Deg.C (250 Deg.F) in either gas fired or infrared ovens.

Independent testing laboratories have reported that substrates printed with Monokan inks that have been post coated with our Two Pack Urethane coating system (Pro-Pack FSU3781 / FSU3781) have withstood extreme outdoor exposure tests without showing signs of major colour change or fade.

We consider the Monokan system to be superior to any like product currently available to the Australian screen process printer.

Substrate and End-Use:

The Monokan ink system has displayed excellent adhesion to a wide range of industrial substrates including treated polyethylene, treated polypropylene, **fiberglass, Perspex®, Masonite®, Powdercoated surfaces and Sign Grade Colourbond®** to name but a few. Monokan inks are **NOT suitable for vinyl substrates**. For a comprehensive list of suitable substrates refer to the A.S.I. ink selector chart.

Thinners

Thin up to 20% with Monokan Thinner MK180. To retard drying, thin with Monokan Retarder MK182.



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Additives:

Monokan ClearMK170 for varying degree of colour strength and transparency. Use Universal Sharp Print compound SU178 for fine detail printing (will slightly reduce gloss level).

Where the final print will be expected to withstand extreme weather conditions or severe chemical exposure we recommend the print be final coated with A.S.I. Pro-Pack Clear SU3780/3781 to improve the resistance quality of the underlying print.

Opacity and Lightfastness:

Number	Description	Opacity	Lightfastness	Number	Description	Opacity	Lightfastness
111	Black	Opaque	Excellent	57	Royal Blue	Opaque	Excellent
112	White	Opaque	Excellent	59	Permanent Blue	Trans	Excellent
75	Cover White	Opaque	Excellent	00	Basic Yellow	Semi Opaque	Good
22	Fire Red	Semi Opaque	Good	01	Basic Warm Red	Semi Opaque	Good
24	Orange	Semi Opaque	Good	02	Basic Rubine	Trans	Excellent
30	Primrose Yellow*	Opaque	Good	03	Basic Rhodamine	Trans	Excellent
32	Lemon Yellow*	Semi Opaque	Good	04	Basic Purple	Trans	Excellent
34	Golden Yellow	Semi Opaque	Good	05	Basic Reflex Blue	Trans	Excellent
42	Emerald Green*	Opaque	Good	06	Basic Process Blue	Trans	Excellent
52	Light Blue	Opaque	Excellent	07	Basic Green	Trans	Excellent

* Also available in an excellent lightfast, fully opaque lead pigment form.

General Remarks:

Stir well before use. Always test apply ink before starting production run as there is often considerable difference between like substrates from different suppliers.

Monokan is a solvent based ink system and the ink film may re-dissolve in certain solvents, particularly alcohol. Pre check for suitability.

It is recommended that the Monokan SDS be consulted before using this product.