



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

UROCURE

PRODUCT INFORMATION

Main Characteristics

Finish	Drying	Thinner Wash up	Mesh	Stencil	Coverage	Application	Colour Range
Gloss	Touch dry approx 30 minutes, full cure after 7 days or as per baking schedule.	Thinner FUT180 Retarder FUT182 Wash Up FSU5112.	Mono Filament fabric 62t to 140t.	Any solvent resistant or dual cure emulsion.	Approx 55 sq. Mt per kg.	Pre-test all substrates.	9 Standard and 8 Basic Pantone, plus Black and White. Special colours made to order.

PRODUCT DESCRIPTION:

Urocure is a two-pack, pigmented, Urethane ink system requiring the addition of a reactive catalyst to initiate the cure process; the inks exhibit excellent adhesion to a wide range of substrates along with exceptional weatherability and chemical resistance properties.

Outstanding adhesion results have been achieved on glass, ceramics, metals and some thermo-setting plastics. Fully cured prints display an exceptional resistance to a range of hydrocarbon solvents including petroleum. However, due to the wide variety of different substrates available and final print resistance qualities required, full product evaluation remains the responsibility of the end user.

Urocure is sold as a Part A (ink component) and Part B (catalyst) FUT176 system. The mixing ratio being 80% Part A (ink) to 20% Urocure Catalyst FUT176 by weight (4 to 1).

The mixed product displays exceptional shelf life for a two-pack system remaining usable for a minimum of 24 hours after mixing depending on prevailing weather conditions.

The catalysed inks will touch dry in approximately 30 minutes with full cure after 7 days by air-drying. Depending on the substrate ability to withstand heat optimum adhesion can be achieved by baking the print at 120⁰Centigrade for 30 minutes.

It is not necessary to bake each colour separately on a multi-colour job. After the first colour has been applied and sufficient time allowed, approximately 1 to 3 hours allowing all free solvent to evaporate from the ink film the second colour may be applied. Both colours may then be cured simultaneously by using the previously mentioned baking schedule or allowing air-drying to full cure after 7 days.

Catalysed inks may be thinned up to 10% with Urocure Thinner FUT180 or up to 10% Urocure Retarder FUT182 to slow the overall drying rate in hot conditions.



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An addition of up to 10% of Universal Sharp Print Compound FSU178 may be used to improve the sharpness of print results.

Opacity And Lightfastness:

STANDARD COLOUR RANGE

Ink Code Number	Description	Opacity	Lightfastness	Ink Code Number	Description	Opacity	Lightfastness
FUT111	Black	Opaque	Excellent	FUT59	Permanent Blue	Trans	Excellent
FUT112	White	Opaque	Excellent	FUT00	Basic Yellow	Semi Opaque	Good
FUT22	Fire Red	Semi Opaque	Good	FUT01	Basic Warm Red	Semi Opaque	Good
FUT24	Orange	Semi Opaque	Good	FUT02	Basic Rubine	Trans	Excellent
FUT30	Primrose Yellow*	Semi Opaque	Good	FUT03	Basic Rhodamine	Trans	Excellent
FUT32	Lemon Yellow*	Semi Opaque	Good	FUT04	Basic Purple	Trans	Excellent
FUT34	Golden Yellow	Semi Opaque	Good	FUT05	Basic Reflex Blue	Trans	Excellent
FUT42	Emerald Green*	Opaque	Good	FUT06	Basic Process Blue	Trans	Excellent
FUT52	Light Blue	Opaque	Excellent	FUT07	Basic Green	Trans	Excellent
FUT57	Royal Blue	Opaque	Excellent				

General Remarks:

Ensure the surface to be printed is clean, improperly cleaned surfaces may result in imperfections in the printed ink film. These may take the form of craters or crawling of the ink. If this problem is encountered thoroughly clean the print surface with alcohol to remove any contamination, and re-print.

Australian Specialty Inks supply this product to a diverse range of users and are un-aware of all applications of the product. Australian Specialty Inks strongly recommends comprehensive testing for suitability of adhesion, weatherability, lightfastness with particular attention paid to chemicals resistance qualities the printed film may be required to withstand, before any production run be made using the product.

It is recommended that the Urocure (Parts A and B) MSDS be consulted before using this product.