



Date Issued February, 2017

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

PRODUCT INFORMATION

UNIVERSAL VINYL

Main Characteristics

Finish	Drying*	Thinner Wash up	Mesh	Stencil	Coverage	Application	Colour Range
Gloss	Jet dry in seconds, touch dries 5-10 minutes.	Thinner FQV 180 Retarder FQV 182 Wash Up FSU5112.	Mono Filament fabric 62t to 140t.	Any solvent resistant or dual cure emulsion.	Approx 55 sq. Mt per kg.	Refer to ASI ink selector chart.	9 Standard 8 Basic Pantone Plus Black and White. Special colours as required

PRODUCT DESCRIPTION:

Specially formulated for rapid drying on a wide variety of vinyl and vinyl coated substrates where a high gloss finish is required, this product is recommended for machine screen process printing, although satisfactory results can be achieved by hand printing. The inks will form a positive bond with most vinyl surfaces and will dry to an extremely flexible film, which may be vacuum formed.

General Properties:

To achieve maximum outdoor durability Universal Vinyl prints must be overprinted with our two pack Pro-Pack Clear. See separate Product Information sheet for detailed information on this product. Extended outdoor test have been conducted on prints of Universal Vinyl which indicated that provided application recommendations are followed a outdoor life of between 4 to 5 years can be reasonably expected under Australian climatic conditions.

It is essential that any ink containing a proportion of metallic pigment be coated with Pro-Pack Clear of major deterioration will occur.

Guarantees:

A guarantee of outdoor life of the Universal Vinyl system is available on request from Australian Specialty Inks directly or through one of our appointed distributors.

Substrate and End-Use:

The Universal Vinyl ink system has displayed excellent adhesion to a wide range of industrial substrates including pressure- sensitive vinyl films, vinyl banner materials, vinyl coated products, A.B.S., Lexan® and acetates to name but a few. For a comprehensive listing of suitable substrates refer to the A.S.I. ink selector chart.

Universal Vinyl inks are **NOT suitable for printing on polyethylene or polypropylene.**

* Full through cure drying of the print is dependent on several factors including but not limited to substrate selection, work environment conditions, ambient temperature and general air circulation. Under optimum conditions full through cure drying would be expected within 72 hours. However, as we are unaware of the resistance qualities required of the finished print it is essential that full pre-production drying tests be carried out by the end user to ensure satisfactory results are achieved.

Thinners:

Thin up to 15% with Universal Vinyl Thinner FQV180. To retard drying thin with Universal Vinyl Retarder FQV182.



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

Care should be taken not to use excessive of Thinner or Retarder as excessive reduction can have an adverse effect on the overall resistance and adhesion properties of the finished print.

Additives:

Universal Vinyl Clear FQV170 for varying degree of colour strength and transparency (also metallic clear vehicle). FQV170 is not recommended as a clear coating for exterior exposure. Universal Sharp Print compound FSU178 may be used for fine detail printing (will slightly reduce gloss level). Extending colour by addition of clear or white will decrease light fastness. Where important consult with our technical staff.

For a flat finish use up to 10% Flattening Paste FSU5935.

Where the final print will be expected to withstand extreme weather conditions or severe chemical exposure we recommend the print be final coated with ASI Pro-Pack Clear FSU3780/3781 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

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.

Universal Vinyl is a solvent based ink system and the ink film may re-dissolve in certain solvents. Pre- check for suitability.

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