

Archival Test Certificate – 20414

PermaJet Media with Epson Ink

The document below covers an introduction on the blue wool scale and the fade resistance tests carried out on PermaJet Fine Art Media by Shirley Technology and the Certificate is attached.

These tests are conducted by a UKAS approved laboratory and show the results as meeting the Fine Art Trade Guild standards of 6+ on the “Blue Wool” scale, stored in normal viewing conditions this translates to 85 years +in true life conditions.

The Fine Art Trade Guild - An Introduction

Formed in 1910, the Fine Art Trade Guild is the successor to the Print sellers' association, which had been set up in 1847 to preserve the integrity of the limited edition print against unscrupulous traders. The Guild is the trade association for the whole of the art and framing industry in the UK and Ireland, and has an active branch in New Zealand. It represents print publishers, printers, materials and equipment manufacturers and suppliers, finished picture suppliers, galleries, contract and bespoke framers, artists and agents. The Fine Art Trade Guild has developed policies covering every aspect of industry activity. In its mission to promote, develop and inform, it sets and maintains standards for the benefit of both members and their customers.

The purpose of the Guild Print Standards is to protect the interests of consumers and maintain confidence in the art and framing industry. Artists, publishers and fine art printers are encouraged to promote their high production standards and the integrity of their limited editions by following Guild Standards and should ideally be used in conjunction with BS 7876:1996. Only prints by fully paid up members of the Guild conforming to Guild Standards can use the Guild logo.

Key requirements

- * Lightfastness of finished print - results of 6 or more on the Blue Wool Scale in all areas of the print - or its equivalent under empirical test conditions.
- * Guild standard pH for substrate of 7-9 amended September 2002 to pH 7-10 (interim position).
- * Minimum weight of substrate of 250gsm.
- * It is recommended that prints carry the following information: title; artist's and, where different, publisher's name; the year; country of origin; the international copyright symbol; the words 'Published to Fine Art Trade Guild Standards' plus the Guild logo.

Testing

Tests must be carried out by a UKAS approved laboratory and are conducted on the finished print.

Blue Wool Scale

Measures and calibrates the permanence of prints. Two identical test prints are created. A calibrated blue wool test strip is masked (1/2). The strip and one test print are placed under xenon lamps in accordance with the test standards. The other print is stored in the dark as a control. At various times, the test print is compared to the control print. When visible fading is evident the wool test strip is examined. The amount of fading is then measured by comparison to the original colour and a rating between 0 and 8 is awarded. Zero denotes extremely poor colourfastness while an eight rating is deemed not to have altered from the original and thus credited as being lightfast and permanent. Blue Wool 6 is the expected standard for limited edition prints.



CONFIDENTIAL TEST REPORT

Our Ref : 20414
Your Ref :

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13 October 2006

Client: The Imaging Warehouse
Unit 1A, Harris Road
Wedgnock Industrial Estate
Warwick
CV34 5JU

Job Title: Various Tests On One Print Sample

Client's order no.:
Date of receipt: 27 September 2006
Date of test start: 29 September 2006

Description of sample(s): One sample comprising two pieces, a black coloured printed paper and an unprinted paper, reference:-

PermaJet Fine Art Media Using Epson OEM Inks

Work requested: Shirley Technologies Ltd. were requested to carry out a light fastness test and a pH test on the sample supplied.

UKAS Accreditation: Our Laboratories are UKAS accredited. However, it should be noted that tests marked * are not UKAS accredited in this report and are not included in the UKAS Accreditation Schedule for our laboratory, either due to the work not conforming fully to the standard (e.g. reduced number of specimens) or to it being outside the scope of our accreditation, or subcontracted

Testing Atmosphere: Unless otherwise specified the sample has been conditioned and tested, where appropriate, in the standard atmosphere for conditioning and testing textiles (BS EN ISO 139:2005) of 65±4% r.h. and 20±2°C.

This report is incomplete without all the pages specified above, together with a copy of our standard terms of business.

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Colour Fastness To Light

Specimens representative of the printed area of the sample were exposed on the Xenotest 150 fading lamp under normal conditions, together with British Light Fastness Standards Nos. 2 - 6 (BS EN ISO 105 – B02:1999 Method 2). By comparison with the behaviour of the standards, the fastness to light of the sample may in our opinion be rated as follows:- (8 represents maximum fastness and 1 minimum fastness).

N.B. the result quoted below is the worst grade only.

Light Fastness Rating

'better than 6'

Determination Of pH Of Aqueous Extract

The un-printed area of the sample was extracted in distilled water (extracting solution A), according to the method described in BS EN 1413:1998 (withdrawn). The pH and temperature of the extract was then measured using a pH meter.

<u>Mean pH value</u>	<u>pH of the extracting solution (distilled water)</u>	<u>Temperature of the solution °C</u>
7.2	5.3	21.5

The information contained on page no's 1/2 of this certificate is hereby certified to be a correct statement of the tests and investigations carried out by Shirley Technologies Ltd. on the materials referred to.

Signed..... *D M Dickson* Date..... *13.10.06*

D M Dickson (Mrs)
Senior Technician - Textiles

Signed..... *J M Bullers* Date..... *13.10.06*

J M Bullers (Mrs)
Operational Head - Textiles

JMB/20414

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