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**CANTERBURY DISASTER
SALVAGE TEAM**

NEWSLETTER

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Photographic Activity Testing at the National Archives of Australia





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Ian would like to draw people’s attention to the Photographic Activity Testing that has been carried out by the National Archives of Australia (NAA) since 1996. The testing is done as a service to the preservation profession and the general public, and is aimed at ensuring materials of suitable quality are used for the storage and display of important historical photographic materials. The materials that can be subjected to the test include papers, boards, plastics, sleeves, albums, adhesives and tapes. Testing is done according to International Standards Organisation standard ISO 18916:2007 Imaging materials – Processed imaging materials – Photographic activity test for enclosure materials. The Photographic Activity Test was developed by the Image Permanence Institute of the United States to test the quality of photographic storage

materials.

Testing is carried out in the NAA paper testing facility which has been accredited by National Association of Testing Authorities (NATA).

A listing of all products which have passed the PAT is available on the NAA website at:
<http://www.naa.gov.au/records-management/agency/preserve/physical-preservation/pat.aspx>

Testing is generally carried out on products used internally at the NAA. However, there is limited scope to carry out the test for other people - manufacturers, suppliers, conservators, heritage workers and members of the general public.

Photographic Activity Test – products that have passed the test

Paper and board products	Supplier	Manufacturer	Test year
Archivart photographic storage paper	Zetta Florence	Archivart® Products for Conservation and Restoration	1996
Archivart library board (light grey)	Zetta Florence	Archivart® Products for Conservation and Restoration	1996
Archivart interleaving paper	Zetta Florence	Archivart® Products for Conservation and Restoration	1996

Archive Text (copy paper)	Conservation Resources	not supplied	1996
Barrier paper	Canson Australia (Arjo Wiggins)	Canson Australia (Arjo Wiggins)	1996
Renaissance tissue (unbuffered)	Light Impressions	not supplied	1996
Mohawk digital paper	University Products	not supplied	1996
Rising museum mount board	Neenah Paper (formerly Rising Paper)	not supplied	1996
Archivart Photo-Tex Tissue	Zetta Florence	Archivart® Products for Conservation and Restoration	1997
Fuji Xerox – 'X' (copy paper)	Fuji Xerox Australia	Fuji Xerox Australia	1999
Fuji Xerox – 'Gold' (copy paper)	Fuji Xerox Australia	Fuji Xerox Australia	1999
Optix offset Milli Vanilla – 110 gsm	Australian Paper	Australian Paper	2000
Book binding board, ouble sided (smooth/textured)	X-Press Graph-X	not supplied	2000
White core board, 1 mm	X-Press Graph-X	not supplied	2000
Multimat (mat board)	X-Press Graph-X	not supplied	2000
ProLong 500 year watermarked archival laser/copy Paper	Conservation Resources	not supplied	2001
500 Year™ corrugated archival board (blue/grey) 1. single wall 2. double wall	Zetta Florence	Visy	2002
500 Year™ archival barrier paper, watermarked 1. 90 gsm 2. 120 gsm 3. 150 gsm	Zetta Florence	not supplied	2003
500 Year™ folder board (white) 260 gsm, 330 gsm	Zetta Florence	not supplied	2003
500 Year™ buffered envelopes 1. 90 gsm seamless style, standard style 2. 120 gsm seamless style, standard style	Zetta Florence	not supplied	2003

Paperboard inserts 1. Cream 2. Black 3. white	Albox Australia	not supplied	2003
ProLong 500 year archival folder board 270 gsm	Conservation Resources	not supplied	2003
ProLong 500 year watermarked archival laser/copy paper 80 gsm	Conservation Resources	not supplied	2003
ProLong 500 year archival barrier paper, watermarked 80 gsm	Conservation Resources	not supplied	2003
ProLong 500 year archival corrugated board (blue/grey), single wall and double wall	Conservation Resources	not supplied	2003
Library board, light weight	Canson Australia (Arjo Wiggins)	Canson Australia (Arjo Wiggins)	2003
Canson conservation board	The Heirloom Box Company	Canson Australia (Arjo Wiggins)	2003
1. 179 gsm file folder, manila (buff) 2. 179 gsm file folder (white) 3. 244 gsm file folder, manila (buff) 4. 244 gsm file folder (white) 5. 293 gsm file folder, manila (buff) 6. 285 gsm file folder, manila (buff) 7. 285 gsm file folder (white) 8. 325 gsm file folder, manila (buff) 9. 325 gsm file folder (white) 10. 375 gsm file folder, manila (buff) 11. 375 gsm file folder (white)	Jackaroo	International Paper	2003
Cotton linter paper	Australian Paper	Australian Paper	2004
Reflex archival (copy paper)	Australian Paper	Australian Paper	2004
Mohawk digital paper	Rolls Filing System	Raleigh Paper	2005
Green/grey library board 1. 240 gsm 2. 490 gsm	Zetta Florence	not supplied	2003 & 2006
500 Year™ archival folders	Zetta Florence	not supplied	2003 & 2006
Perpetuum Wove, 90 gsm (code PAP A4–90)	Archival Survival	not supplied	2003 & 2006
ProLong 500 year archival folder board (white), 270 gsm	Conservation Resources	not supplied	2003 & 2006
ProLong 500 year archival envelopes,	Conservation	not supplied	2003 &

watermarked, 80 gsm, buffered, ungummed	Resources		2006
ProLong 500 year archival folders and document wallets (white), 270 gsm	Conservation Resources	not supplied	2003 & 2006
Archival folder board (white), 320 gsm	Zetta Florence	Australian Paper	2006
500 Year™ archival photocopy paper, watermarked 1. 90 gsm 2. 120 gsm 3. 150 gsm	Zetta Florence	not supplied	2006
Archival corrugated board, (blue/grey) single wall and double wall	Archival Survival	not supplied	2006
Buffered envelopes (seamless), 90 gsm (code ENCSEAM 85X110)	Archival Survival	not supplied	2006
Archival folder board (white), 320 gsm	Archival Survival	not supplied	2006
Green grey library board, 240 gsm (10 point)	Archival Survival	not supplied	2006
Green grey library board, 490gsm (20 point)	Archival Survival	not supplied	2006
ProLong 500 year archival, four flap folder (15 mm expansion), 270 gsm (retested)	Conservation Resources	not supplied	2006
Archival folder (codes UFF701, UDW704 & ULW705)	Jackaroo	International Paper	2006
500 year archival photocopy paper A4, watermarked 1. 120 gsm 2. 150 gsm	Jackaroo	International Paper	2006
1. 163 gsm (#100) hi-yield manila file folder board (buff) 2. 202 gsm (#124) hi-yield manila file folder board (buff) 3. 293 gsm (#180) hi-yield manila file folder board 4. 293 gsm (#180) hi-yield file folder board (white) 5. 374 gsm (#180) hi-yield manila file folder board 6. 374 gsm (#180) hi-yield file folder board (white)	Jackaroo	International Paper	2006
Millennium manila board 1. 244 gsm (buff) 2. 285 gsm (buff) 3. 285 gsm (white) 4. 326 gsm (buff) 5. 326 gsm (white) 6. 374 gsm (buff)	Rolls Filing System	not supplied	2003 & 2007

7. 374 gsm (white)			
Book binding board, double sided (smooth/textured)	X-Press Graph-X	X-Press Graph-X	2008
Conservation board, 300 gsm , 1000 µm	GuisePak	not supplied	2008
Ultimate Archive paper	Rolls Filing System	not supplied	2008 & 2009
Acid Free White paper, 400 µm	GuisePak	not supplied	2009
Archival liner board	Australian Paper	Shoalhaven Paper Mills	2009
Klug Karton board 1. 350 µm, 330 gsm 2. 277 µm, 240 gsm 3. 1600 µm, 560 gsm	GuisePak	not supplied	2009
Archival liner (blue/grey), 220 gsm	GuisePak	not supplied	2009
Corrugated boards E Flute (grey/natural white), 1.60 mm	GuisePak	not supplied	2009
Ultimate Archive	Rolls Filing System	not supplied	2009
Archival Liner Board, blue/grey	Australian Paper	Shoalhaven Mill	2009
Archival Liner, blue/grey	GuisePak	not supplied	2009
Klug Corrugated Board (Ref KCB BF), 1600 µm, 560 gsm	GuisePak	not supplied	2009
Acid-free library board 1. 665 x 970 mm, 280 gsm, code: ZFLIB180P 2. 505 x 735 mm, 280 gsm, code: ZFLIB190P	Zetta Florence	not supplied	2010
Brilliant Enclosures, 5 x 7" M415X7-A-5	Zetta Florence	not supplied	2010
500 Year™ corrugated archival board, blue/grey, double wall and single wall	Zetta Florence	not supplied	2010
Seamless envelope, 90 gsm (off white) (code PAPSEA)	Zetta Florence	not supplied	2010
Barrier paper APP/ZFBP (off white) , 90 gsm & 120 gsm	Zetta Florence	not supplied	2010
PAPENV7RECORD , 18.3 x 18.3 cm envelope	Zetta Florence	not supplied	2010
Archival (grey, blue/white) corrugated board (Code GPO31B)	GuisePak	not supplied	2010

500 Year™ Corrugated Archival Board, single wall, blue/grey, (code MUB)	Zetta Florence	not supplied	2010
500 Year™ Corrugated Archival Board, double wall, blue grey, (code MUB)	Zetta Florence	not supplied	2010
PAPENV7RECORD, envelope, 18.3 x 18.3 cm	Zetta Florence	not supplied	2010
Copy Paper, 80 gsm	Zetta Florence	not supplied	2011
Perpetuum Wove paper, 120 gsm	Archival Survival Pty Ltd	not supplied	2012
Saxton Chardonnay paper 140gsm	Spicers	Saxton	2012
Library Board (code BRDLIB) 1. 240 gsm 2. 490 gsm	Archival Survival Pty Ltd	Not supplied	2012
Archival Corrugated Board, blue/grey, single wall (code BRDMUB)	Archival Survival Pty Ltd	not supplied	2012
Archival Corrugated Board blue/grey, double wall, (code BRDMUB)	Archival Survival Pty Ltd	not supplied	2012
Buffered Seamless Envelopes, 90 gsm	Archival Survival Pty Ltd	not supplied	2012
Archival folder (code FLDMAN) 1. 260 gsm 2. 320 gsm	Archival Survival Pty Ltd	not supplied	2012
Plastic products	Supplier	Manufacturer	Test year
Polyethylene envelope	Zetta Florence	not supplied	1996
Polypropylene 35 mm negative page – 6 strip	Albox Australia	Albox Australia	1996
Lexan polycarbonate Film	Mulford Plastics	SABIC Innovative Plastics	1996
Archival Plus polypropylene storage bag	Clear File	Clear File	1996
Corex polypropylene fluteboard (grey)	Corex Plastics	Corex Plastics	1996
Cellair (closed cell foam)	Metro Foam Products	Precision Foam Manufacturing	1996
Tyvek (spun bonded polyolefin) tape (adhesive and carrier tested separately)	Zetta Florence	DuPont USA	1997
Marbig folder sleeve and refill sleeve	The Q Store / Webshops	not supplied	1997

Polyethylene storage bags	University Products	not supplied	1997
Glad zip-lock bags	Woolworths	The Dow Chemical Company	1997
Semi-rigid polypropylene	Abbey Plastics Products	not supplied	2003
Ever Fast file pin holder Code 81996	Avery Dennison Office Products	not supplied	2004
Manila file folder, 285 gsm	McDonald Printing Group	not supplied	2005
Mylar film 75 µm and 100 µm	Zetta Florence	not supplied	2006
Aeroflex EPDM (ethylene propylene diene monomer), 7 mm thick, closed cell elastometric thermal insulation	Airefrig Australia	Aeroflex	2006
Cellaire, polyethylene foam cushioning material 1. 2 mm thick Code RH0210 2. 6 mm thick Code RH06D	Bunzl/Sealed Air Australia	not supplied	2006
Ethafoam 220, polyethylene foam, closed cell, 100 mm thick	Dunlop Foams	Dunlop Foams	2006
EVA 30, ethylene vinyl acetate foam, 15 mm thick (Code Q86454)	Dunlop Foams	Dunlop Foams	2006
EVA 45, ethylene vinyl acetate foam, 11 mm thick, cream	Dunlop Foams	Dunlop Foams	2006
Garfilm EMCL (polyethylene terephthalate film)	Multapex	Garware Polyester	2006
Garfilm EMSC PT077, (polyester film)	Multapex	Garware Polyester	2006
Foam core board – 5 mm Gold OW (J)	Quill Stationery Manufacturers	Quill Stationery Manufacturers	2006
Evazote EV50, EVA copolymer foam, 10 mm thick (white)	Sekisui Pilon	Zotefoams	2006
Plastazote LD45, closed cell, cross-linked polythene foam, 10 mm thick	Sekisui Pilon	Zotefoams	2006
Polypropylene box	Albox Australia	Albox Australia	1996 & 2006
Clear LDPE continuous roll, 50 mm wide x 100 micron thick	Pinpak–Grayson Packaging	Pinpak–Grayson Packaging	2007

Mylar film, 100um thickness (A4 sized)	Maria Anttems	not given	2011
Nomapack Foam 1. Grey 2. Blue (PAD Profile) 3. Bright Yellow (WS 33*264 Edge Pad)	Britestar	NMC	2012
Labels, tapes and adhesives	Supplier	Manufacturer	Test year
Elna Press #7815 barcode label (polyester base and #310 Hi Precision acrylic adhesive) (adhesive and carrier tested separately)	The Elna Press	The Elna Press	1997
3M 305 tape	3M Australia	3M USA	1997
3M 415 double-sided tape	3M Australia	3M USA	1997
Filmoplast P90 – repair tape (adhesive and carrier tested separately)	Hughes Mouldings	Neschen AG	1997
Splicing tape, 25 mm (adhesive and carrier tested separately)	Christy's Editorial Film and Video Supply	not supplied	1997
'Cine Care' film splicing tape – 16 mm (adhesive and carrier tested separately)	John Barry	not supplied	1997
Elna Press 'Supalux' barcode label (polypropylene base and 'SP240' adhesive) (adhesive and carrier tested separately)	The Elna Press	The Elna Press	1997
'Zetta Florence double-sided tape'	Zetta Florence	DuPont USA	1997
Gripit adhesive (Code 3113)	Henkel Adhesives	Henkel Adhesives	2002
Evasol – EVA adhesive, buffered, acid-free and reversible	Conservation Resources	not supplied	2003
Fuji archival laminating film	Direct National Business Machines and Supplies	not supplied	2006
Nichiban Double Sided Tape (6mm)	Regal Craft Cards	not supplied	2012
Optically clear double sided mounting film	Starleaton Digital Solutions	not given	2012
Fusion 4000 dry mount adhesive	D&K Framing Products (USA)	Bienfang Framing Products, a Division of Elmer's products Inc.	2012

Photo storage (sleeves, albums and photo corners)	Supplier	Manufacturer	Test year
Slide sleeves	Champion Plastics	Champion Plastics	1996
Heritage photo album, Tomahawk 1. Creme leaf paper 2. Black leaf paper	Salmat (formerly Hermes Precisa Australia)	not supplied	1996
Negative preservers, Print File (Code 35–6HB)	Get Smart Products	not supplied	1996
Slide Guard polypropylene sleeve	Light Impressions	not supplied	1996
Memory scrapbook page (paper and plastic elements)	Grant Studio	not supplied	2003
Pocket page photo album page (paper and plastic elements)	Grant Studio	not supplied	2003
Photo album page, white, (paper and plastic elements)	Grant Studio	not supplied	2003
Magnetic photograph album page (paper, plastic and adhesive elements)	Grant Studio	not supplied	2003
Dry mount photo album (black page and interleaf)	Abbey Plastics Products	not supplied	2004
Photo corners – 250, LERO 81/03	Albox Australia	not supplied	2004
Polypropylene photo album cover	Albox Australia	Albox Australia	2004
Cine film storage	Supplier	Manufacturer	Test year
Polypropylene film canister, round (grey, blue)	Tuscan Industries	Tuscan Industries	1996
Polypropylene film canister, square (blue)	Tuscan Industries	Tuscan Industries	1996
Film canister (blue) fire retardant	Tuscan Industries	Tuscan Industries	1997
Film canister, polypropylene (grey) 1. MB 91603A 2. MB 91603B 3. MB 91603C 4. MB 91603D 5. MB 91603E 6. MB 91603F	Tuscan Industries	Tuscan Industries	2004
Cloth	Supplier	Manufacturer	Test year
Brushed Nylon (black)	Spyder Displays	not supplied	2012

1. Washed 2. Unwashed	Ltd		
Parsilk, 100% Polyester, washed 1. Brown 2. white	Charles Parsons	not supplied	2012
Washed Calico, natural, 100% cotton	Lincraft	not supplied	2012
Washed Japara, natural, 100% cotton	Material World	not supplied	2012

Suppliers and manufacturers

Unless otherwise indicated supplier and manufacturer contact details are Australia-based:

Abbey Plastics Products
Tel: (02) 9604 7800
Website: abbeygroup.com.au

Aeroflex International
Website: aeroflexinsulation.com

Airefrig Australia
Tel: 1800 671 500
airefrig.com.au

Albox Australia
Tel: 1300 555 717
Email: albox@albox.com.au
Website: albox.com.au

Maria Anttems
Tel: (03) 9799 9073

Archival Survival
Tel: 1300 781 199
Email: info@archivalsurvival.com.au
Website: archivalsurvival.com.au

Archivart® Products for Conservation and Restoration (USA)
Tel: +1 (888) 846 6847
Email: askarchivart@nbframing.com
Website: archivart.com

Australian Paper
Tel: (03) 8540 2300
Website: australianpaper.com.au

Avery Dennison Office Products
Tel: 1800 644 353
Email: consumerservice-au@averydennison.com
Website: averyproducts.com.au

Britestar Australia Pty Ltd
Tel: 02 9697 9147
Email: sales@britestar.com.au
Website: britestar.com.au

Bunzl/Sealed Air Australia
Tel: (03) 9590 3000
Email: info@bunzl.com.au
Website: bunzl.com.au

Canson Australia (Arjo Wiggins)
Tel: (03) 9701 8266
Email: sales@canson.com.au
Website: canson.com.au

Champion Plastics (USA)
Tel: +1 (800) 526 1230
Email: sales@championplastics.com
Website: championplastics.com

Charles Parsons
Tel: 02 9910 4100
Website: charlesparsons.com

Christy's Editorial Film and Video Supply (USA)
Tel: +1 (818) 845 1755
Email: info@christys.net
Website: christys.net

Clear File (USA)
Tel: +1 (407) 703 1905
Website: clearfile.com

Conservation Resources
Tel: 1300 132 570
Email: sales@conservationresources.com.au
Website: conservationresources.com.au

Corex Plastics
Tel: (613) 9238 1300
Email: info@corex.net.au
Website: corex.net.au

D&K Framing Products (USA)
Tel: 888.240.6021
Website: forframersonly.com

Direct National Business Machines and
Supplies
Tel: (07) 3352 4222
Website: directnational.com.au

The Dow Chemical Company (USA)
Website: dow.com

Dunlop Foams
Tel: (03) 9215 2020
Email: info@dunlopfoams.com.au
Website: dunlopfoams.com.au

DuPont (USA)
Website: dupont.com

The Elna Press
Tel: 1800 337 384
Email: info@elnapress.com.au

Fuji Xerox Australia
Tel: 1300 667 955
Website: fujixerox.com.au

Garware Polyester (India)
Tel: +91 22 6698 8000
Email: ho@garwarepoly.com
Website: garwarepoly.com

Grant Studios
Tel: (030) 9509 2228
Website: grant.com.au

GuisePak
Tel: (03) 9584 8388
Email: info@guisegroup.com.au
Website: guisegroup.com.au

The Heirloom Box Company
No contact details

Henkel Adhesives (Australia/New Zealand)
Website: henkel.com.au

Hughes Mouldings
No contact details

IDS Packaging
Website: idspackaging.com

International Paper (USA)
Tel: +1 (888) 478 9448
Website: internationalpaper.com

Jackaroo
Tel: (02) 9976 1300
Email: info@jackaroo-pl.com.au
Website: jackaropaper.com.au

John Barry
Tel: (02) 9355 2300
Website: johnbarry.com.au

Light Impressions (USA)
Tel: +1800 975 6429
Email: customerservice@ncd-brands.com
Website: lightimpressionsdirect.com

Lincraft
Tel: 1300LINCRAFT
Website: lincraft.com.au

Material World
Tel: 02 6372 6826
Email: sales@materialworld.com.au
Website: materialworld.com.au

McDonald Printing Group
Tel: (03) 9646 3700
Email: melbourne@mcdpg.com.au
Website: mcdonaldprinting.com.au

Metro Foam Products
Tel: (02) 9748 8588
Website: metrofoam.com.au

Mulford Plastics
Tel: 2 9911 8111
Website: mulfordplastics.com

Multapex
Tel: (02) 9153 7999
Email: info@multapex.com.au
Website: multapex.com.au

Neenah Paper (formerly Rising Paper) (USA)
Tel: + 1800 994 5993
Website: neenahpaper.com

Neschen AG (Germany)
Tel: +49 (0) 57 22 2070
Email: neschen@neschen.de
Website: www.neschen.com

Pinpak–Grayson Packaging
Tel: 1300 855 571
Email: info@pinpak.com.au
Website: pinpak.com.au

Precision Foam Manufacturing
Tel: (02) 4587 7588

Email: sales@precisionfoam.com.au
Website: precisionfoam.com.au

The Q Store / Webshops
Tel: 1800 444 419
Email: sales@theqstore.com.au
Website: webshops.com.au

Quill Stationery Manufacturers
Tel: (02) 9781 0800
Email: sales@quillstationery.com.au
Website: quillstationery.com.au

Raleigh Paper
Tel: (02) 8883 1200
Website: bjball.com.au

Regal craft Cards
Tel: (03)6331 4222
Website: regalcraftcards.com.au

Rolls Filing System
Tel: 1300 600 192
Email: salesdept@rollspl.com.au
Website: rollspl.com.au

SABIC Innovative Plastics (USA)
Tel: +1 (413) 448 7110
Website: sabic-ip.com

Salmat (formerly Hermes Precisa Australia)
Tel: 1300 725 628
Website: salmat.com.au

Sekisui Pilon
Tel: (02) 9525 9880
Email: info@pilon.com.au

Shoalhaven Mill
Tel: (02) 4428 6444
Email: ShoalhavenR@australianpaper.com.au
Website: shoalhavenpapermill.com.au

Spicers
Tel: (03) 9730 9730
Website: spicers.com.au

Spyder Displays Ltd
Tel: 07 3802 5888
Website: spyder.com.au

Starleaton Digital Solutions
T: (02) 9905 5441
Website: starleaton.com.au

3M Australia
Tel: 136 136
Website: solutions.3m.com.au

Tuscan Industries
Tel: (02) 9699 2422
Email: info@tuscancorp.com
Website: tuscancorp.com

University Products (USA)
Tel: (toll free) 1 800 628 1912
Email: info@universityproducts.com

Visy
Tel: 13 8479
Email: customer.service@visy.com.au
Website: visy.com.au

Woolworths
Tel: 1300 767 969
Website: woolworths.com.au

X-Press Graph-X
Tel: 1300 853 502
Website: xpressgraphx.com.au

Zetta Florence
Tel: 1300 555 124
Email: info@zettaflorence.com
Website: zettaflorence.com

Zotefoams (England)
Tel: +44 (0) 20 8664 1600
Email: info@zotefoams.com
Website: zotefoams.com