



Australian
Conservation
Foundation



BUILDING GREEN



The atrium in the 60L Green Building provides natural light and ventilation.

Building green is becoming a reality. Many people are realising the benefits of creating sustainable buildings suited to the climate and landscape in their region of Australia.

Most green buildings in Australia are private residences; there are very few green public or commercial buildings.

However the new 60L Green Building in Melbourne, a four level office and retail space developed by the Green Building Partnership, is setting high but achievable standards for other commercial buildings to follow.

The Australian Conservation Foundation (ACF) contributed to the environmental leadership in the development and implementation of the 60L Green Building's environmental objectives and is now one of the principal tenants in the greenest, commercially viable, office building in Australia.

ACF's Green Office was designed by H2o architects to enable ACF to practice what it advocates - a sustainable future.

When deciding on furniture and material fittings for its green office, ACF considered various approaches to minimising the ecological footprint of the fitout including:

- The sourcing of items that had an improved environmental performance over standard products;
- The reuse of existing furniture and materials;
- The refurbishment of items.

ACF's Green Office features materials such as walls made from wheat straw, recycled plastic joinery and flooring that incorporates recycled corks in a PVC free product. Some of the chairs and workstations showcase recycled resin and timber from sustainably managed plantations; all products were selected because they addressed sustainability in their design and manufacture.

Almost all items and services listed in this document were donated to ACF. ACF acknowledges the visionary support of the donors in creating an innovative workplace that minimises impact on the environment.

From green offices sustainable cities grow.

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 Carlton Vic 3053
 Ph: 03 9345 1111, Fx: 03 9345 1166
 Email: acf@acfonline.org.au
 Web: www.acfonline.org.au

RESEARCH AND DESIGN SERVICES

BRIEF DEVELOPMENT

KODO

Service Description

KODO worked with ACF staff to write a comprehensive brief and workplace strategy for the new ACF Green Office fitout. KODO will also conduct a post occupancy review of ACF's new office. This evaluation will link staff health, comfort, satisfaction and productivity with building sustainability.

Brian Purdey
Kodo
The Ark, Level 2, 50 York Street
Sydney NSW 1230
02 9368 0345
kodo@kodointernational.com

ASSAI

Service Description

Assai conducted workshops to elicit ACF staff's understanding of their culture and work processes. These were synthesised into a set of design patterns and then translated into outline floor plans to ensure that the final design was aligned with ACF's vision and work culture.

Dr David Week
Assai
The Ark, Level 2, 50 York Street
Sydney NSW 1230
02 8243 1111
mail@assai.com.au
www.assai.com.au

DESIGN

H2o ARCHITECTS

Service Description

H2o were engaged as ACF's Green Office fitout architects. The scope of works included the schematic/concept design, the selection of furniture/finishes, documentation, analysis and contract administration. H2o worked creatively with ACF staff to ensure that the fitout reflected ACF's vision for a sustainable and inspirational work place.

Tim Hurburgh, Mark O'Dwyer
H2o architects
29 Northumberland Street,
Collingwood VIC 3066
03 9417 0900
studio@h2oarchitects.com.au

FINDING THE RIGHT SUPPLIER

SUSTAINABLE SOLUTIONS PTY LTD

Service Description

Sustainable Solutions assisted ACF with the selection of environmentally responsible materials, fixtures and furniture. Potential suppliers were given a questionnaire and were assessed on issues such as evaluations of recycled content, embodied energy and greenhouse gas emissions, and toxicity of materials.

Many had never been asked such questions before.

Dr Peter Brotherton
Sustainable Solutions Pty Ltd
47 Prentice Street
Elsternwick Vic 3185
(03) 9528 1957
bro@c031.aone.net.au



Overseas research shows that improvements to office environments can lead to significant increases in productivity. Already ACF staff have reported improvements to their health and well being.

MATERIALS AND FURNITURE

WALLS CEILINGS DESKTOPS

EASIWALL AND EASIBOARD

Product Description

Easiboard and Easiwall panels are high quality durable and fire resistant multi use construction panels. The panels are produced through a unique dry extrusion process that densely compresses wheat straw, a natural and plentiful resource.

ACF Green Office Use

Meeting room walls and ceilings, and low height partitions.

Primary Raw Materials

Wheat straw, rice straw, recycled paper liner.

Vincent Hughes
Ortech Industries
Unit 18, 1-7 Canterbury Road,
Braeside VIC 3195
0412 330 410
03 9580 7766
Ortech@ortech.com.au
www.ortech.com.au

MARMOLEUM LINOLEUM

Product Description

Furniture Linoleum is manufactured from linseed oil, rosin, wood flour and pigments; renewable raw materials from living trees and plants. It is biologically degradable and will not harm the environment after its long life.

ACF Green Office Use

Visually private spaces were created by suspending Linoleum between vertical studs. Marmoleum was used for work surfaces on utility and lunch room benches and some workstations.

Primary Raw Materials

Linseed oil, rosin, wood flour and pigments.

Gerry Ryan
Duroloid
236 Wickham Road,
Moorabbin VIC 3189
03 9555 9921
Silkcut@silkcut.com.au
www.silkcut.com.au

JOINERY

TIMBER RECYCLED

Product Description

Recycled and reclaimed timbers, including salvaged pine and recycled indigenous hardwood timber.

ACF Green Office Use

Screens, general joinery and feature timber.

Primary Raw Materials

Salvaged pine, recycled messmate and other timbers.

Rob Horner
Yarra Timber Salvage
PO Box 5014,
Garden City VIC 3207
0418 170 735

Jackie Olver
Shiver Me Timbers
217 Kororoit Creek Road,
Williamstown VIC 3016
03 9397 5993
shiverme@corplink.com.au
www.shivermetimbers.com.au

Tim Kennedy
Bowerbird Salvaged Timbers
10 Pheasant Pde,
Warburton VIC 3799
0402 260 427

TIMBER PLANTATION

Product Description

Pine sourced from sustainably managed plantations.

ACF Green Office Use

Screens and joinery throughout office.

Primary Raw Materials

Radiata Pine.

Keith Evans
Burnley Timber and Trading
382 Swan Street,
Richmond VIC 3121
03 9428 1531
fax 03 9428 7770

Michael Fulcher
Hancock Victorian Plantations Pty Ltd
3rd Floor, 517 Flinders Lane,
Melbourne VIC 3000
03 9289 1400
mfulcher@hvp.com.au

The story starts here, a playful and innovative take in the use of recycled plastic welcomes visitors to ACF.



UNIMOULD

Product Description

Multi-purpose panels manufactured from new and/or recycled plastic scrap from domestic and industrial waste. The darker Unimold colours have a high recycled content

ACF Green Office Use

Black and dark green Unimold used as a timber alternative for joinery, including the reception counter and lunch room shelves and cupboards. Also used in workstations.

Primary Raw Materials

High density polyethylene and polypropylene with a high recycled content.

Neville Barr
Unimould
PO Box 405
Altona North VIC 3025
03 9369 8700
nbarr@unimould.com.au
www.unimould.com.au

PAINT FINISHES

BIO PAINTS

Product Description

Bio Products use non-toxic, biodegradable ingredients. The production process uses less energy and produces less greenhouse gas emissions than conventional paint products.

ACF Green Office Use

Bio Wall Paint was used on meeting room walls. Bio Enamel paint was used to achieve a vibrant colour on feature partitions and to colour reused filing cabinets (see Storage).

Primary Raw materials

Pine resin, casein, linseed oil, wood oil, castor oil, water, lemon peel oil, Bprax, chalk, bentone, china clay, magnesium silicate, earth pigment, iron oxides and metal oxides.

Maree Grenfell
Going Solar (Australian distributors)
353 Albert Street,
Brunswick VIC 3056
03 9328 4123
retail@goingsolar.com.au
www.goingsolar.com.au

INNER CITY PAINTING

Service Description

Resprayed and colour matched existing ACF filing cabinets using Bio Enamel paint.

Nikia Van Garderen
Inner City Painting
39 Baillie Street
North Melbourne VIC 3051
03 9329 2600



Challenging the accepted wisdom that you can't build without MDF (medium density fibreboard – a material that emits toxic gasses for many years) ACF's kitchen joinery utilises plastic panels with a high recycled content. The stylish and durable flooring is 70 percent recycled cork.

FLOORS

ACF's lunch room uses Comcork flooring. The rest of the office is carpeted with recyclable carpet tiles supplied by the building owners, the Green Building Partnership.

COMCORK

Product Description

Comcork flooring is manufactured from recycled cork and rubber and is comfortable, quiet and hard wearing. The Comcork ACF used is not manufactured with PVC and is now available from Comcork as a standard product.

ACF Green Office Use

Lunch room area flooring.

Primary Raw Materials

Recycled cork and rubber.

Brian Todd
Comcork
7-15 Valley Street,
Oakleigh South VIC 3167
03 9548 8116
0417 308 325
acl_comcork@acl.com.au
www.comcork.com.au

WORKSTATIONS/ DESKS

DESIGN BY METTE

Product Description

Design by Mette has a tradition of developing high quality contemporary and flexible furniture that now extends to the sustainable office.

ACF Green Office Use

One new workstation.

Primary Raw Materials

Mild steel, unimould, Comcork.

Mette Mantynen
Design by Mette
71 Weston Street
Brunswick VIC 3056
0414 279 519
Info@designbymette.com
www.designbymette.com

MAXTON FOX

Product Description

Maxton Fox provides environmentally sustainable design solutions for commercial furniture users.

ACF Green Office Use

Six new workstations.

Primary Raw Materials

Steel, plantation pine, linoleum, cardboard, echoscreen fabric, aluminium.

Shane Thomas
Maxton Fox
575 Elizabeth Street
Melbourne VIC 3000
03 9329 0033
melbourne@maxtonfox.com.au
www.maxtonfox.com

OFFICE CYCLE

Product Description

Office Cycle is a total office interiors solution provider with practical methods of improving the environmental impact of office fitout. Office Cycle has a particular interest in the refurbishment and reuse of existing items and materials in new projects.

ACF Green Office Use

Seventeen refurbished workstations sourced and installed by Office Cycle that incorporate reused components donated by BP and Maurice Blackburn Cashman.

Primary Raw Materials

Steel, plantation pine, linoleum, cardboard, echoscreen fabric, aluminium.

Shane Thomas
Office Cycle
575 Elizabeth Street
Melbourne VIC 3000
03 9329 0033
melbourne@maxtonfox.com.au
www.maxtonfox.com

SCHIAVELLO

Product Description

Based on environmental design principles (for minimum impact, disassembly and reuse) the QED workstation integrates a series of mobile desks, tables and storage units as an example of products with better environmental performance.

ACF Green Office Use

One new QED workstation and chair.

Primary Raw Materials

Unimould, mild steel, acetal plastic, aluminium, polycarbonate plastic.

Michael Pitcher
Schiavello
31-49 Queensbridge Street,
Southbank VIC 3006
03 9330 8752
mpitcher@schiaavello.com.au
www.schiaavello.com

WHARINGTON INTERNATIONAL

Product Description

Wharington office furniture is designed with a strong emphasis on materials efficiency, the use of recycled materials and refurbishment. Wharington also have an environmental pledge to take back their furniture at end-of-life for re-manufacture.

ACF Green Office Use

Two new workstations

Primary Raw Materials

Steel™, Recopol™ recycled resin (with a high recycled structural resin content from the automotive, electronic and electrical waste streams, it can be continually recycled to have an infinite life).

Yvette Karklins
Wharington
48-50 Hargreaves Street,
Huntingdale VIC 3166
03 9544 5533
sales@wharington.com.au
www.wharington.com.au



The open plan workspace allows fresh air and natural light into all corners of the office making for a healthy work place and giving ACF a greater sense of connectedness to the rhythms of the day.

WSA (WORKSTATION SYSTEMS AUSTRALIA)

Product Description

WSA produces workstations that incorporate sustainability principles in design and materials use.

ACF Green Office Use

Three new workstations

Primary Raw Materials

Steel, forbo bulletin board, plantation pine, linoleum, water based lacquers.

Mark Diggins
WSA
31 Elder Street
Blackburn VIC 3130
03 9877 4783
wsa@bigpond.net.au
www.workstations.com.au

VISY CLOSED LOOP

Product Description

Recycled cardboard furniture laminated with recycled plastic. The furniture can be disassembled and recycled.

ACF Green Office Use

Six new workstations

Primary Raw Materials

Recycled Cardboard & PET Plastic Coating.

Greg Brereton
VISY Closed Loop
268 Edwardes Street,
Reservoir VIC 3073
03 9247 4165
greg.brereton@visy.com.au
www.visyrecycling.com.au

ZENITH INTERIORS PTY LTD

Product Description

Workstations designed and manufactured on sustainability principles.

ACF Green Office Use

Two new workstations.

Primary Raw Materials

Steel, echoscreen fabric (recycled PET).

Michael Bond
Zenith Interiors Pty Ltd
329 Ferrars Street,
Albert Park VIC 3206
03 9696 0301
michaelb@zenithinteriors.com.au

Meeting room: in ACF's open plan office acoustically private meeting rooms provide a place for work groups to gather and discuss the business of the day.



FABRICS

WOOL

Product Description

Macquarie Textiles is the largest woollen and worsted mill in Australia and takes a proactive approach to reducing the effect of textile processing on the environment.

ACF Green Office Use

Office and meeting room chairs.

Primary Raw Materials

100% Australian wool.

Irene Duke
Macquarie Textiles
32 Lincoln Square,
Carlton VIC 3053
03 9349 8888
info@mtgl.com.au

RECYCLED PLASTIC

Product Description

Woven Image fabric made from recycled PET plastic (soft drink bottles etc.).

ACF Green Office Use

Fabric used in various workstations on divisional screens.

Primary Raw Materials

100% Recycled Polyester.

Craig Battershill
Woven Image
Studio 6/64 Regent Street,
Richmond VIC 3121
03 8415 1822
cbattershill@ozemail.com.au

CHAIRS

AFCO: REUPHOLSTERING SERVICES

Product Description

Reupholstering services.

ACF Green Office Use

Reupholstering and refurbishment of existing ACF office chairs.

Primary Raw Materials

100% Wool.

Greg De Vries
AFCO
22 Havelock Road,
Bayswater VIC 3153
03 9729 0922
0418 324 801
niesta@iprimus.com.au

CAMATIC

Product Description

Manufactured from polypropylene and steel which can be 100% recycled. Simple, stylish and durable chairs of lightweight construction and one piece shell.

HILLE ARM SHELL

ACF Green Office Use

Eight chairs used at open project area.

Primary Raw Materials

Polypropylene, steel.

Lisa Mansfield
Camatic
29-31 Rathdowne Street,
Carlton VIC 3053
03 9639 8666
lisam@camatic.com.au
www.camatic.com.au

DESIGN BY METTE

Product Description

Task and stackable chairs incorporating sustainability principles.

ACF Green Office Use

One office chair used with Design By Mette workstation. Two stackable chairs used as meeting chairs alongside desks.

Primary Raw Materials

Steel frame, Instyle wool fabric, recycled foam.

Mette Mantynen
Design By Mette
71 Weston Street
Brunswick VIC 3056
0414 279 519
info@designbymette.com
www.designbymette.com

MID FURNITURE

Product Description

Chairs designed originally as a 'minimal product'. Designed for disassembly. Manufacturer has an environmental pledge to take back product at end-of-life for re-manufacture.

ACF Green Office Use

Six Arena chairs in meeting room.

Primary Raw Materials

Recopol™ recycled resin, stainless steel, Enduro Foam, 100% wool fabric by Macquarie Fabric.

Pernilla Leth
MID Furniture
Shed 9, Central Pier,
Docklands VIC 3008
03 9629 3699
midfurniture@optusnet.com.au



WHARINGTON INTERNATIONAL

Product Description

Wharington's International office furniture range features the use of Recopol™ resin and stainless steel with a high recycled content. All products are designed to minimise materials, to be disassembled for refurbishment and for recyclability. Wharington products have a take back pledge at end-of-life for re-manufacture.

FOLIO TASK CHAIRS

The Folio Task Chair range was designed with a generous sized, ergonomically correct fully moulded seat and back.

ACF Green Office Use

Two Folio Task Chairs used with Wharington workstations.

MAX CHAIRS

Product Description

Max Chairs are comfortable, lightweight stackable chairs.

ACF Green Office Use

Four Max Chairs with upholstered seats used in informal meeting space.

MITT ARM CHAIRS

Mitt Arm Chairs are stylish upholstered arm chairs.

ACF Green Office Use

Two Mitt Arm Chairs at reception waiting area.

Primary Raw Materials

Folio Task Chairs, Max Chairs and Mitt Arm Chairs.

Recopol™ recycled resin, stainless steel, Enduro Foam, 100% wool fabric by Macquarie Textiles.

POPPET BAR STOOL

Product Description

The Poppet Bar Stool features a moulded Recopol™ resin seat on stainless steel legs.

ACF Green Office Use

Eight Poppet Bar Stools in the lunch room around the curved seating area.

Primary Raw Materials

Recopol™ recycled resin and stainless steel.

Yvette Karklins
Wharington
48-50 Hargreaves Street,
Huntingdale VIC 3166
03 9544 5533
sales@wharington.com.au
www.wharington.com.au



Office furniture for a sustainable future: utilising sustainable materials designed for minimal environmental impact and able to be refurbished and recycled at the end of it's first life.

WILKHAHN

Product Description

Wilkhahn office furniture is designed to minimise materials and to maximise repair and refurbishment. Materials are selected for minimum environmental impact and for durability. Wilkhahn will take back products for reuse and recycling. The Picto range is available for a variety of office, visitor and conference uses and has received an award for its environmental performance.

PICTO CHAIR RANGE

ACF Green Office Use

Six refurbished office chairs. Twelve meeting chairs used in large meeting room and two in the Executive Director's area.

Primary Raw Materials

Die cast aluminium, polypropylene, plantation beechwood, polyamide.

Marion Enander
Wilkhahn
235-239 Cope Street,
Waterloo NSW 2017
02 9310 3355
marion_enander@wilkhahn.com.au
www.wilkhahn.com



Stylish and practical tables showcase materials that don't destroy our forests or that might otherwise have gone to landfill. Plantation timber; moulded resin, with a high recycled content; and recycled fly ash a by-product of power generation.

TABLES

DESIGN BY METTE

Product Description

ET21 is a moisture, weather and stain resistant resin based material with a high content of recycled fly ash from coal fired power stations. ET21 can be used (in flat or sculptural shapes) for furniture and bench tops.

ACF Green Office Use

Meeting table and two cube chairs for use in informal meeting area.

Primary Raw Materials

Fly ash, polyester resin.

Mette Mantynen
Design by Mette
71 Weston Street
Brunswick VIC 3056
0414 279 519
Info@designbymette.com
www.designbymette.com



WHARINGTON INTERNATIONAL

Product Description

Pedestal table: designed for disassembly, refurbishment and recyclability with a take-back pledge at end-of-life for re-manufacture.

The table features a fully moulded Recopo™ resin tabletop (with a high recycled content) and stainless steel pressed base.

ACF Green Office Use

Pedestal coffee table used in reception area. Pedestal meeting table used in informal meeting space and Coburg Coffee table used in meeting room.

Primary Raw Materials

Recopo™ recycled resin, stainless steel and steel.

Yvette Karklins
Wharington
48-50 Hargreaves Street,
Huntingdale VIC 3166
03 9544 5533
sales@wharington.com.au
www.wharington.com.au

WILKHAHN

Product Description

Logon conference table: Wilkhahn office furniture is designed to minimise materials and to maximise repair and refurbishment. Materials are selected for minimum environmental impact and for durability. Wilkhahn will take back products for reuse and recycling.

ACF Green Office Use

Four conference tables for meeting room and library/project area.

Primary Raw Materials

Laminated board (produced from Forest Stewardship Council certified forests), die cast aluminium.

Marion Enander
Wilkhanh
235-239 Cope Street,
Waterloo NSW 2017
02 9310 3355
marion_enander@wilkhahn.com.au
www.wilkhahn.com

The future is bright: lightwells on the south and north walls bring natural into the building and greatly reduce the need for artificial light.



STORAGE PEDESTALS SHELVING

DEXION

Product Description

Steel storage solutions.

ACF Green Office Use

Dexion refurbished ACF's existing Dexion shelving in an innovative way to create low height shelving. Dexion removed and reinstalled the shelving units.

Primary Raw Materials

Powder coated steel.

Tony Bell
Dexion
Unit 1/290 Salmon Street,
Port Melbourne VIC 3207
03 9646 8955
tbell@dexionstorage.com.au
www.dexionstorage.com.au

RACK AND FILE COMMERCIAL

Product Description

Second hand and refurbished office storage needs. Rack and File also sell new storage products.

ACF Green Office Use

Second hand compactus unit used in ACF library to save floor space. Similar space saving option adopted for storage of printed materials and files.

Primary Raw Materials

Steel

Peter Tollitt
Rack and File
2 Studley Street
Abbotsford VIC 3067
peter@rackfile.com.au

ERGONOMIC ACCESSORIES AND CONSULTATION

LAPTOP HOLDER

Product description

The Ergo-Top laptop holder allows users to adjust the height of the laptop screen. By using the Ergo-Top in combination with a separate mouse and keyboard it is possible to create an ergonomic workstation using laptop computers.

Simon Greg
Ergonomic Office
4 Ipswich Street,
Fyshwick ACT 2601
1300 555 930

ERGONOMIC CONSULTATION

Service Description

Ergonomic assessment of fitout and advice on improving the health and safety of work place for ACF staff.

David Caple
David Caple and Associates
Level 1, 273 Lower Heidelberg Road,
East Ivanhoe VIC 3079
03 9499 9011
davidcaple@pacific.net.au

CABLE MANAGEMENT SYSTEMS

ELSAFE

Product Description

The Elsafe cable management system does not use PVC in its manufacture.

ACF Green Office Use

Vertebrae cable systems to supply power, data and voice to workstations.

Primary Raw Materials

Polycarbonate, rubber and steel.

John Ellis
Elsafe
212 Berkeley Street,
Carlton, VIC 3053
03 9347 4588
elsafevic@ocean.com.au

ART

CHRISTINE ABRAHAMS GALLERY

Service Description

Catalogued and valued ACF's art collection and advised on the rehangings of the art.

Guy Abrahams
Christine Abrahams Gallery
27 Gipps Street,
Richmond VIC 3121
03 9428 6099