

## RECENT PROJECTS WHERE UV RESISTANT 'abilox®' OXIDE PIGMENTS WERE USED:

### ✿ **THE LUCIANO ROSSETTI MAUSOLEUM, SPRINGVALE BOTANICAL CEMETERY, SPRINGVALE, MELBOURNE, VICTORIA:**

The Luciano Rossetti Mausoleum, which was specially built for the Springvale Botanical Cemetery, is a 2007 CC&AA Public Domain award winning pre-cast wall construction. The mausoleum is arranged around a triangular courtyard with a series of spaces, which have been defined by black concrete panels using 'abilox®' Midnight Black powder pigment and white acid etched cut-out profiles, which project dramatic shadows across the interior of the galleries.

Designers: Harmer Architecture,  
Contractors: Galvin Constructions Pty Ltd,  
Specialist Concrete Subcontractor: Fabcon Precast,  
Main Concrete Supplier: Decco.

### ✿ **ABC 'GARDENING AUSTRALIA' PROGRAM:**

Presenter Andrew O'Sullivan, used a wide variety of 'abilox®' mineral oxide colourants in making pavers for a garden featured on this program on 16/7/04. See the ABC website: [www.abc.net.au/gardening/stories](http://www.abc.net.au/gardening/stories) - See Fact Sheet for 2004.

### ✿ **SHOAL BAY COUNTRY CLUB, SHOAL BAY, NEW SOUTH WALES:**

'abilox®' Aged Copper oxide was used to integrally through colour the footpaths of this prestigious resort in 2005.

### ✿ **PUNCHBOWL PARK, WATTLE STREET, PUNCHBOWL, SYDNEY, NEW SOUTH WALES:**

'abilox®' Mushroom oxide colourant was used to integrally colour the footpaths in this delightfully designed park.

### ✿ **HUNTER VALLEY CARE CENTRE, MAIN ROAD, BOORAGUL, NEW SOUTH WALES, 2004:**

'abilox®' Light Sandy Beige oxide pigment was used to integrally colour the concrete footpaths and driveways of this project.

### ✿ **SUBURB OF NEWINGTON, EX- OLYMPIC VILLAGE SITE, SYDNEY, NEW SOUTH WALES:**

New housing estate on the site of the Sydney Olympic Village. 'abilox®' Riverblend Beige was used integrally for the footpaths to enhance this new estate.

### ✿ **TARONGA ZOO, ASIAN ELEPHANT RAIN FOREST EXHIBIT, MOSMAN, NEW SOUTH WALES:**

A special blend of 'abilox®' colouring oxides was used to integrally colour the base of a stream which runs through this state of the art exhibit which as part of extensive redevelopment projects being undertaken at the Taronga Zoo. Architects: Jackson Teece Chesterman Willis. Landscape Architects: Green & Dale Landscape Architects, Melbourne.

✿ **DOCKSIDE APARTMENTS, HOWDEN STREET, CARRINGTON, NEW SOUTH WALES:**

'abilox<sup>®</sup>' Riverblend Beige oxide was used to integrally colour the concrete footpaths and the extensive hardscapes landscaping surrounding this project of 63 luxury apartments.

✿ **CROSS CITY TUNNEL, GATE 30, DOMAIN PARK, SYDNEY, NEW SOUTH WALES:**

'abilox<sup>®</sup>' Riverblend Beige was used to integrally colour the footpaths surrounding this area near the Royal Botanic Gardens in Sydney.

✿ **CITY OF WOOLLAHRA, SYDNEY, PARSLEY BAY RESERVE, NEW SOUTH WALES.**

Access to this delightful park is via Horley Avenue off Parsley Road. An integrally coloured concrete footpath winds its way around the coastline rocks to eventually arrive at an enclosed beach. The path was installed in 1992 incorporating 'abilox<sup>®</sup>' Riverblend Beige oxide and the through colouration is retained today exhibiting its lifelong durability. Further information from Mr David Halsey, Manager, Parks & Streetscapes Department, City of Woollahra, PH: (02) 9391 7000.

✿ **ALEXANDRA BEACH RESORT, QUEENSLAND**

'abilox<sup>®</sup>' powder colourants were used in extensive integrally coloured concrete walkways and parking areas. A particular feature of the project was the way various 'abilox<sup>®</sup>' oxides were used to permanently colour concrete pavements in a variety of patterned colours to match those of the stones and pebbles in the artificial stream leading into the swimming pool.

Architects: Belt Collins, Southport, Queensland.  
Principal Architect: Mike Swanson.

✿ **THE UNIVERSITY OF THE SUNSHINE COAST, QUEENSLAND**

Faculty of Arts building. Integral colouration from the incorporation of 'abilox<sup>®</sup>' pigments into the mix was chosen for external and internal concrete walls, concrete flooring (ground and first floors), planter openings and bench supports on the ground floor. The oxide colourants used were 'abilox<sup>®</sup>' Riverblend Beige and 'abilox<sup>®</sup>' CAF-X2 Black.

Architects: Bligh Voller Nield of Fortitude Valley, Brisbane. Principal Architect: Andrew Boch. Bligh

Voller Nield were winners of the 1999 Maroochy Shire Town Planning Award for Environmental Design, and the Queensland Premier's Year 2000 Gold Award.

✿ **TOOWOOMBA BASE HOSPITAL, TOOWOOMBA, QUEENSLAND**

Construction by Civil & Civic; Integrally coloured pre-mixed concrete supplied by Pioneer Concrete (Qld) Pty Ltd, Toowoomba. Oxide colourant: 'abilox<sup>®</sup>' Light Marigold HF-15. Concrete admixture: Ability's multi-functional Efflorein<sup>®</sup> powder and the liquid curing compound coating used to effectively cure the concrete to ensure its design strength was achieved in place was Ability's 'Duro-Seal' Clear.

Architects: Belt Collins Pty Ltd, Brisbane, PH: (07) 3839 5414, Manager: Kevin Cronin.

✿ **LOGAN HOSPITAL, BRISBANE**

Several 'abilox<sup>®</sup>' permanent mineral oxide pigments were specified for integrally coloured cement render which was trowel applied to external concrete walls. Architects: The Cox Group, Brisbane.

✿ **CHERMSIDE SHOPPING CENTRE**

Shopping centre car park pavements. The oxide colourant used integrally by barrel mixing it into in N32 grade pre-mixed concrete was the bluish tone 'abilox<sup>®</sup>' CAF-X2 Black Iron Oxide.

✿ **THE STRAND, TOWNSVILLE**

A large marine esplanade development. The oxide colourant used was 'abilox<sup>®</sup>' Creamstone oxide which was supplied in Ability's 'Concrete Friendly<sup>®</sup>' degradable bags and barrel mixed into all pre-mixed concrete used for extensive 'sandstone' coloured pavements in this project. Architects: Walter Smith & Associates

✿ **MILLENIUM ESPLANADE, TANNUM SANDS, NORTH QUEENSLAND**

The project involved steel reinforced in situ, through-coloured concrete walkways and pedestrian crossings across roadways in this delightful people's coastal park. Special features included the design of 'turtles' as concrete speed humps and the concrete pavement colours were chosen to harmonise with those of construction materials used for on-site buildings and natural stone masonry walls. Landscape Architect: Jason Jacobi, Calliope Shire Council.

### ✿ LYONS HOTEL STREETScape, CAIRNS, NORTH QUEENSLAND

The project involved streetscaping near the hotel in reinforced cast-in-place concrete pavements, incorporating in situ, integrally coloured low-shrink concrete insets to represent various tropical aquatic fauna. Each inset was coloured with an individual and separate 'abilox®' pigment. The potential tendency of the concrete insets to shrink and crack was reduced with the use of certain Ability concrete admixtures. Contact Robert Barber at Ability for further information.

Architects: EDAW Pty Ltd, Brisbane, Project Architect: Ms Chris Bolton.

### ✿ QUEENSLAND UNIVERSITY OF TECHNOLOGY, KELVIN GROVE REFURBISHMENT

'abilox®' Moonlight Grey Oxide and 'abilox®' Black Iron Oxide CAF-X2 were used in concrete pavements to excellent effect. This project was a refurbishment of earlier work. Pioneer Concrete (Qld) Pty Ltd, Brisbane, tendered and won the contract for the supply of integrally coloured, pre-mixed concrete for the refurbishment.

Contractors: Hutchinson Builders Pty Ltd.

### ✿ ADELAIDE-CRAFERS HIGHWAY PROJECT, SOUTH AUSTRALIA

Extensive shotcreted rock walls of highway cuttings have been used to ensure vehicle driver safety from falling rocks at this project. Incorporating a range of 'ochre' tone 'abilox®' oxide powder pigments, shotcrete along various sections of the Adelaide-Crafers Highway has been colour camouflaged so well that it is hard to tell it apart from the surrounding natural rock.

Shotcrete supplied by Pioneer Concrete (SA) Pty Ltd, Adelaide. Contact: Mr Peter Garnett, Customer Service Manager.

### ✿ MELBOURNE RUDOLPH STEINER SPECIAL SCHOOL, 213 Wonga Road, Warrenwood, Victoria. Cement-'rendered' exterior walls of several buildings were brush applied with special coloured mineral coatings. These incorporated five separate 'abilox®' and 'duro®' pigments as well as Ability's 'ABIL-STRENGTH' superpolymer acrylic resin based flexibilising and adhesion promoting concrete admixture in the site mixed, polymer modified cement-

bound paint mixes. Architect: Greg Burgess & Associates Pty Ltd, Hawthorn, Melbourne, Victoria.

### ✿ WERRIBEE RIVER TOWN TRAIL, WERRIBEE RIVER, WERRIBEE, VICTORIA

This popular through coloured concrete pathway has seen an increase in use by people taking a walk and by joggers, in-line skaters and cyclists since being commissioned in 1996 by the Open Space Planning Department of the Wyndham City Council co-funded by Wyndham City Council, Werribee, and Melbourne Parks & Waterways Program 1997 - an inter-agency program to co-ordinate the funding and development of park and waterways throughout greater Melbourne. Contact: Mr Christopher Adams, open space planner.

The 'abilox®' colouring oxide pigment used in integrally coloured pre-mixed concrete was Riverblend Beige at 8.3% in grey cement bound N32 grade pre-mixed concrete. (1 x 25 kg 'Concrete Friendly®' bag of 'abilox®' per m<sup>3</sup> of concrete)



### ✿ LYNCHES BRIDGE, Home Units, Newmarket Street, at Old Stock-yards, Flemington, Victoria for the Victorian Ministry of Housing, Department of Planning and Development. Integrally coloured cast-in-place steel reinforced concrete driveways and footpaths were specified and their installation supervised by key architects from the department. The two main pigments used to excellent visual effect were 'abilox®' Riverblend Beige Oxide and 'abilox®' Midnight Black.

### ✿ WERRIBEE GRANGE SECONDARY COLLEGE, WERRIBEE, VICTORIA.

Large bright areas of permanently through coloured cast-in-place reinforced concrete pavements in various colour shades are delightfully featured here. Architect: Peter Jones, Victorian Department of Planning, St Vincent's Place, Melbourne.

✿ **MINISTRY OF HOUSING, MELBOURNE, VICTORIA**

Cluster public housing at 333 Balaclava Road, Caulfield. Subtle concrete colours were obtained by utilising 'abilox<sup>®</sup>' barrel mixed Light Sandy Beige oxide and the tinctorially strong bluish shade 'abilox<sup>®</sup>' Black Iron oxide CAF-X2 for extensive cast-in-place steel reinforced off-white cement bound concrete paving. Architects: Victorian Government Department of Planning, Myer House, 250 Elizabeth Street, Melbourne. Principal Landscape Architect, Vern O'Grady.

✿ **PARK HYATT INTERNATIONAL HOTEL, EAST MELBOURNE, VICTORIA**

'abilox<sup>®</sup>' Cinnamon Buff Oxide powder pigment was used to obtain a subtle, pastel brown tone for low maintenance of this prestige five star structure's pre-cast reinforced concrete exterior facing panels having a very long design life. Pre-cast concrete manufacturer and colour designer: Fabcon Pty Ltd, Springvale, Victoria.



✿ **TABCORP OFFICE BUILDING, 5 BOWEN CRESCENT, SOUTH MELBOURNE. (BERGAMIN BUILDING)**

Golden Brown highly polished steel reinforced pre-cast concrete facia panels of reconstituted granite stone – made by using crushed red granite coarse aggregate and 'abilox<sup>®</sup>' Baron Brown iron oxide pigment were used in this quality architectural design. Architect: Bruce Henderson Pty Ltd. Pre-caster: Fabcon Pty Ltd, Centre Road, Springvale, Victoria.

✿ **ST VINCENTS HOSPITAL, MAJOR EXTENSIONS, MELBOURNE, VICTORIA.**

Many individual light pastel toned 'abilox<sup>®</sup>' pigments with an off-white cement binder and decorative coarse aggregates were used to manufacture highly uniform integrally coloured, polished reconstructed stone steel reinforced pre-cast concrete facing panels. Pre-caster: Fabcon Pty Ltd.



✿ **BATMAN AVENUE -EXHIBITION STREET EXTENSION BRIDGE, MELBOURNE, VICTORIA**

As part of the Jolimont revitalisation program the extension of Exhibition Street from Flinders Street to directly connect with the City Link project at Batman Avenue has improved CBD access from the south and optimised traffic flow through the sports and entertainment precinct. Integrally coloured, pre-cast concrete bridge abutment panels having a high degree of colour uniformity and made by incorporating 3% w/w cementitious material of 'abilox<sup>®</sup>' Light Sandy Beige oxide together with 3% 'abilox<sup>®</sup>' Illumin-ite White oxide in off-white cement bound concrete. A 6% total pigment dose rate virtually assures uniformity of colour from panel to panel and with the combination of white plus colour indicates one of many pastel tint colours that may achieved in all types, classes and grades of pre-mixed concrete. Pre-caster: Classic Pre-cast Pty Ltd, Thomastown, Victoria, PH: (03) 9465 2633. Panel concrete mix design: Vic Roads. Pre-mixed concrete supplier: Boral Concrete (Vic) Pty Ltd.

✿ **MELBOURNE MUSEUM PROJECT, CARLTON**

Various 'abilox<sup>®</sup>' powder colouring pigments have been successfully used in through-coloured steel reinforced N40 grade wear resistant concrete footpaths and pavements. Integrally coloured pre-mixed concrete supplier: CSR Readymix, Melbourne.

## ✿ M5 EAST HIGHWAY PROJECT, SYDNEY, NSW

'abilox<sup>®</sup>' Aged Copper and Creamstone oxide colouring pigments were extensively used to integrally and permanently colour many pre-cast concrete noise wall panels for this project.

Architects DEM Design, Sydney.

### PLEASE NOTE:

This is a random selection. There are *numerous* other construction projects which have utilised Ability's UV resistant 'abilox<sup>®</sup>' mineral oxide colouring pigments in through-coloured concrete and asphalt throughout Australia, Malaysia, Indonesia, Irian Jaya (now called West Papua) and New Guinea - including those involving the use of integrally-coloured pre-cast concrete fascia panel construction of other Australian buildings not mentioned here – designed with durable, cost-effective and low maintenance, honed and polished 're-constructed stone'.

In addition to their use in all grades and classes of pre-mixed concrete, easy mixing and dispersing 'abilox<sup>®</sup>' powder colours are suitable for use by manufacturers of permanently through-coloured concrete pavers, bricks, blocks, roofing tiles etc on a daily production basis. You may specify any of Ability's 39 individual 'abilox<sup>®</sup>' UV resistant colourants for *any* type or brand of concrete product produced by *any* manufacturer to get the colour you want. Call us if you need any assistance.

A large number of projects have also included 'abilox<sup>®</sup>' pigmented *long-life* mineral *paint* surface finishes for walls, pavements and roofs (such as Ability's '**the Paint**' and **X55** special highly durable water based coating) as well as for surface coloured 'dust-on' shake surface colouration of cast-in-place concrete (normal 'shake' and thin-section trowel applied granolithic) floors, steps and pavements.

### COLOURED ASPHALT

Several large projects over the last two decades have been completed in brightly coloured *asphalt* (bituminous concrete) pavements using 'MEXPHALTE C'\* a semi-transparent synthetic bitumen binder made in Sydney, Australia by Shell Bitumen which have been permanently coloured with 'abilox<sup>®</sup>' UV resistant dry colouring pigments. These projects include the 4 km long walking, bicycle and in-line skating path at the seaside beach area along Beaconsfield Parade from St Kilda to Port Melbourne, Victoria, in Adelaide from Semaphore to Port

Adelaide, South Australia, the walking track in the lake gardens below the Westgate Bridge in Melbourne, Victoria, and many others. Further information is available from David Mitzi at Pioneer Road Services Pty Ltd, Altona, Victoria, PH: (03) 9314 8232 (and Roger Carse at their Perth Office, WA) as well as Mr Mark Bowman at Boral. Asphalt (SA) Pty Ltd, in Plympton, Adelaide, PH: (08) 8229 6840.

\* Product of the Bitumen Division of The Shell Company of Australia Ltd.

## ✿ RINGWOOD BYPASS HIGHWAY, RINGWOOD, VICTORIA.

Eighty (80) different soft, subtle pastel pink and 'orange' colours in a repeating sequence here greets the passing motorist. Sound attenuation panels in this unusual combination of colours were obtained by integrally mixing many 'abilox<sup>®</sup>' oxide pigments – some in combination with one another in different proportions into a special grade (S40) pre-mixed concrete using off-white Portland cement to result in through coloured pre-cast steel reinforced concrete. Client: Vic Roads. Pre-caster: Westkon Pty Ltd. Designer: Elwyn Dennis, Architect, Artist and Sculptor of West Stawell, Ph: (03) 5356 6244. Pre-mixed Concrete Supplier: Boral Concrete (Vic) Pty Ltd.



## ✿ 'SEAL ROCKS' - SEA LIFE CENTRE, VENTNOR ROAD, POINT GRANT, PHILLIP ISLAND, VICTORIA

'abilox<sup>®</sup>' Riverblend Beige and Auburn oxide pigments have been utilised integrally in decorative reinforced pre-cast concrete panels here to blend with the colour of local surrounds. The panels were prepared by Advanced Pre-Cast Pty Ltd for the major building contractor, Abigroup Limited. Architects: Howden and Wardrop Pty Ltd, Melbourne.

❖ **HENLY DISPLAY HOMES, BRUXNER WAY, TAYLORS LAKES, MELBOURNE, VICTORIA**

Some seven (7) individual 'abilox®' colouring pigments have been used in through-coloured concrete footpaths and driveways, utilising an exposed aggregate finishing technique. The pavement work was carried out by Tetra Pty Ltd. Various 'abilox®' powder colourants which are all UV resistant have also been integrally used in permanently coloured concrete pavements at the following Henley Display Villages located at:

- Corner Princess Highway and Fitzgerald Road, Hallam, Victoria.
- Hogans Road, Hoppers Crossing, Victoria.
- Springfield Drive, Narre Warren, Victoria.

❖ **BRIMBANK CENTRAL, SHOPPING CENTRE, CORNER STATION AND NEALE ROADS, DEER PARK, VICTORIA**

Landscape Architects: Murphy Design Group of Albert Park, Victoria, Contact: Barry Murphy, PH: (03) 9696 4957.

Specified in association by Architects B & N Retail Group, 'abilox®' Black Iron oxide CAF-X2 and Riverblend Beige oxide were used in extensive steel reinforced concrete footpaths, driveways and other pavements. The builder was Pro-Build Pty Ltd.

❖ **DEAKIN UNIVERSITY PIAZZA, BURWOOD CAMPUS, BURWOOD HIGHWAY, BURWOOD, VICTORIA**

'abilox®' Black Iron Oxide CAF-X2 was integrally utilised in coloured steel reinforced concrete in various structures in this project:



- A black aqueduct water feature was constructed from integrally coloured pre-cast concrete units made off site using the above-mentioned black colourant together with Ability's multi-functional concrete admixture called 'Efflorein®' powder to provide a sloping miniature stream. Engineering Designer: Mr Pat de Gregorio, P L Consultants Pty Ltd, Ph (03) 9873 2647.
- Integrally coloured black pre-cast concrete fascia units manufactured by Moba Constructions were utilised to clad two award winning black, white and grey coloured buildings.
- Extensive concrete footpath pavement areas were cast-in-place, again using 'abilox®' Black CAF-X2 and later completed with a non-slip grit blasted matte finish.

Architects for this project were Pels, Innes, Neilson & Kosloff Pty Ltd, Ph: (03) 9646 6177. Landscape Architects: Tract Consultants Pty Ltd, Contact: Stephen Calhoun, AAILA, OS, MLA, Ph: (03) 9429 6133.

❖ **ARTHUR PRESTON CENTRE, RETIREMENT VILLAGE, CORNER Highbury Road and Bowen Crescent, Burwood, Victoria**

Some six (6) different 'abilox®' easy mixing and dispersing powder colourants were used in all the reinforced coloured concrete footpaths and driveways for this village to ensure brightening and enhancement of the building's exterior surrounds. Specifically 'abilox®' Riverblend Beige oxide was widely used to permanently and functionally colour several concrete paths between individual units. Architects: Kerr, Lewit Clark & Kidd Pty Ltd of Collingwood, PH: (03) 9419 0299.

❖ **\*KOOYONG ROAD MEMORIAL PARK, CORNER KOOYONG ROAD AND DORGAN STREET, CAULFIELD NORTH, VICTORIA**

The City of Glen Eira in greater Melbourne required this street side parkland area not only to be restful and 'user friendly' but also to have lots of different coloured sections in the steel reinforced concrete pavement. The many natural 'ochre' pavement colours complement the externally cement rendered (green) central fountain and delightful flora in the landscape design. Ms. Nicole Faulkner, the council's Urban Open Space Designer has utilised the colourants 'abilox®'

Deep English Marigold, Riverblend Beige, the blue shade Black CAF-X2 and 'Everbright®' TP5608 Chromium Green oxides to great effect!

✿ **AVENDON ESTATE, COLEMAN ROAD, GLEN WAVERLEY, VICTORIA**

Australand Properties Limited redeveloped this area previously occupied by Vic Roads regional office and pre-cast concrete factory into a residential housing estate with all facilities. Prominent and long established Caulfield based Landscape Architect, Carol Frank-Mas specified the use of 'abilox®' Riverblend Beige for grade N32 steel reinforced concrete footpaths and driveways to provide a 'sandstone' colour tone. Concrete placement and finishing: Montdami Constructions Pty Ltd, Bayswater, Victoria, PH: (03) 9720 1099.

✿ **\*OLYMPIC VILLAGE PROJECT, HOMEBUSH BAY, SYDNEY, NSW**

In keeping with the theme of the 'Green' Olympics, the international landscape architectural firm of EDAW (Aust) Pty Ltd's Sydney office specified the use of 'abilox®' Riverblend Beige oxide for coloured concrete pavements and floors associated with the construction of an athletes village. This major project was constructed by Civil and Civic Pty Ltd, to produce some 800 accommodation units.

✿ **WESTERN LINK PROJECT: The Tullamarine Freeway** widening, Parkville Section constructed by Transfield Obayashi Joint Venture Pty Ltd for Transurban Limited.

- Shotcrete Retaining walls. The Melbourne office of EDAW (Aust) Pty Ltd specified the use of 'abilox®' Black Iron Oxide CAF-X2 for integral through-colour use in nine (9) wall areas to have a shotcrete concrete sprayed finish. The intention was to have a uniform *highly saturated* solid black colour throughout. This has been achieved. Contractors: Boulderstone Hornibrook Pty Ltd. Pre-mixed concrete supplier: CSR Readymix (Vic) Pty Ltd.
- Concrete Sound Attenuation Barriers: The use of 'abilox®' Black CAF-X2 was also specified and used in these special pre-cast concrete noise walls at this 'Gateway to Melbourne' major project. Well-known pre-caster, Hollow Core Concrete

Pty Ltd manufactured these deep grey coloured panels from premixed concrete again supplied by CSR Readymix (Vic) Pty Ltd.

✿ **\*DYE WORKS PARK, SIMMONS STREET, PRAHRAN, VICTORIA**, for the inner Melbourne, City of Stonnington. Integrally coloured cast-in-place concrete pavements and footpaths installed here have incorporated several colour shades obtained from Ability's 'abilox®' mineral oxide powder pigment range of 39 individual colourants. The concrete was cast in different coloured two (2) metre wide strips and surface washed prior to it setting for an exposed aggregate finish using self coloured coarse aggregates to match the pigmentation colours. Landscape Architect: Mark McWha Pty Ltd. PH: (03) 9416 1755.



✿ **ALBANIAN ISLAMIC SOCIETY, DRUMMOND STREET, CARLTON, VICTORIA**

'abilox®' Mineral oxide powder colourant was integrally mixed into freshly delivered pre-mixed concrete in transit mixers on site into cast-in-place steel reinforced concrete construction of the 'Minaret' prayer tower.

❖ **WALKING, BICYCLE & IN-LINE SKATING PATH - CHERRY LAKE RESERVE, CIVIC PARADE, ALTONA, VICTORIA**

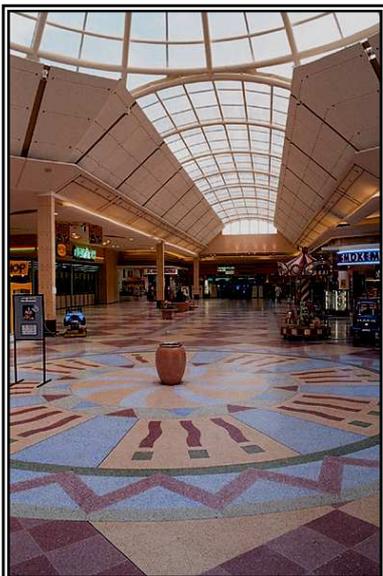
Client: Hobson's Bay City Council; a cast-in-place concrete 'shared pathway' pavement three metres wide and 3.6 Kilometres long which completely circumnavigates Altona's Cherry Lake was integrally coloured with 'abilox<sup>®</sup>' Deep English Marigold oxide. Landscape Designer: Parklinks Pty Ltd of Geelong, Victoria, Mr Bill Johnsen, Principal.

❖ **WILLESHERE REDEVELOPMENT, YARRA BOULEVARD, KEW, VICTORIA**

Major developers: Central Equity Limited: Integrally coloured 'Tan' and 'Terra Cotta' 'abilox<sup>®</sup>' 'barrel mixed' coloured reinforced concrete footpaths was an important part of the design for this prestige residential project. Construction by: Segarnet Pty Ltd, Melbourne.

❖ **\*EPPING PLAZA SHOPPING CENTRE, CORNER HIGH STREET AND COOPERS ROAD, EPPING, VICTORIA**

A Pacific Shopping Centres Pty Ltd development. Delightful cast-in-place concrete forecourt pavements integrally coloured in a variety of artistic designs with 'abilox<sup>®</sup>' Riverblend Beige, Cobalt Blue, Light Marigold HF-15 and Premium Red Iron oxide 109 oxide colourants. Other colouring oxides were also used to effectively colour extensive in situ interior terrazzo floors having many beautiful coloured designs in this modern shopping complex. Architects: The Buchan Group Pty Ltd. Concrete supplier: Boral Concrete (Vic) Pty Ltd.



**BRIMBANK CITY COUNCIL:** Amphitheatre, Rotunda and New Overnewton Gatehouse Cultural Precinct project, corner Old Keilor Road and Overnewton Road, Keilor, Victoria for the City of Brimbank in greater Melbourne. Various 'abilox<sup>®</sup>' dry oxide colourants (4) including the prestigious 'abilox<sup>®</sup>' Cobalt Blue 12HD/CD was used integrally in cast-in-place reinforced concrete footpaths, courtyard, rotunda and in particular 'abilox<sup>®</sup>' Yellow Iron Oxide CAC powder pigment was added into an external cement render mix applied to the walls of the new 'Overnewton' gatehouse constructed near the old one (Circa 1865) which has been retained.

❖ **WESTERN GENERAL HOSPITAL, CNR MAVIS & BALLARAT ROADS, FOOTSCRAY, VICTORIA**

Various 'abilox<sup>®</sup>' mineral oxides including the very expensive but absolutely UV resistant 'abilox<sup>®</sup>' COBALT BLUE 12HD/CD were used integrally to permanently colour the cast-in-place steel reinforced concrete car park, roundabouts, pathways and associated landscaped concrete surrounds.

❖ **COBURG LEISURE CENTRE, COBURG, VICTORIA**

'abilox<sup>®</sup>' was used in the colour-through cast-in-place reinforced concrete swimming pool surround. 'abilox<sup>®</sup>' powder pigments of various hues were used to obtain non-slip wood floated coloured interior grey cement bound concrete pavements having earthy 'ochre' tones. Construction for the City of Coburg, Victoria, (now City of Moreland). Architects: Henderson and Lodge Pty Ltd.

❖ **'AUSTRALIA ON COLLINS' HOTEL, Collins Street, Melbourne, Victoria**

Pre-cast steel reinforced concrete facade panels of highly polished, glossy re-constructed stone are a feature of this structure. Green Dromana granite chippings used as the concrete's coarse aggregates with the pastel toned 'abilox<sup>®</sup>' Riverblend Beige iron oxide powder colourant were incorporated integrally into an off-white cement bound N40 grade concrete mix and used to make pre-cast panels for the Collins and Little Collins Street façades of this five star international hotel. Pre-caster: Fabcon Pty Ltd.

✿ **SHERATON HOTEL, SOUTHBANK, MELBOURNE**

Sandblasted pre-cast concrete fascia wall panels for the upper level facades of this structure were coloured with 'abilox<sup>®</sup>' Riverblend Beige oxide added into off white cement bound pre-mixed concrete mixes used to make the panels.

✿ **JUPITERS CASINO AREA, ALBERT AND ADELAIDE STREETS, BRISBANE, QUEENSLAND**

'abilox<sup>®</sup>' Creamstone oxide was used by Boral Masonry's Wacol (Brisbane) paver and brick making factory in the manufacture of durable 'terrazzo' style machine made 400 x 400 x 60mm terrazzo-like honed concrete paving slabs which incorporated decorative pale coloured coarse aggregate. Client: City of Brisbane for this and other "City Signature" Brisbane footpath projects.

✿ **RMIT TAFE COLLEGE GRAPHIC ARTS LIBRARY IN CARDIGAN STREET, CARLTON, VICTORIA**

Large exterior steel reinforced pre-cast concrete building fascia panels in three (3) *different* shades of grey – normal un-pigmented 'concrete grey', ultra deep grey obtained by using 'abilox<sup>®</sup>' Premium Cement Black and an 'up-market' bluish tone mid-grey shade was achieved by using 'abilox<sup>®</sup>' Moonlight Grey oxide pigments were individually used integrally in the required concrete mixes. Pre-caster: Fabcon Pty Ltd, Springvale. Architect: Pels Innes Neilson & Kosloff Pty Ltd of Port Melbourne.

✿ **ACLAND STREET, ST KILDA BEACH, VICTORIA**

A successful open space re-development project involving extensive re-paving of footpaths with decorative concrete pavers manufactured by innovative SVC Concrete Products Pty Ltd, Thomastown, Melbourne, Victoria, for the clients - individual local shopkeepers and the City of Stonnington. Various 'abilox<sup>®</sup>' mineral oxide pigments were used in the concrete paver mix design together with the incorporation of delightful inlaid ceramic motifs designed and made by Maggie Fooke, Landscape Artist

of Armadale, Victoria. Landscape Architect: Victoria and Ken Sharp, Sharp Design Studio Pty Ltd. SVC Concrete Products, Manager, Mr Fred Gatti, PH: 9460 3813.



✿ **MINISTRY OF HOUSING, WEST HEIDELBERG, VICTORIA**

Residential Home Units at 488-496 Waterdale Road, West Heidelberg, Victoria. Completed in 1993 this modest value project gained wide interest – particularly for the durably coloured concrete pavements and individual porch entrances – which were each integrally coloured to different attractive hues with various dry colouring pigments from Ability's 'abilox<sup>®</sup>' range– particularly red, black and Riverblend Beige. These structures appear 'as new' today.

✿ **MINISTRY OF HOUSING, HIGHETT, VICTORIA**

Low-rise public 'cluster' residential housing development. Extensive steel reinforced concrete driveways and connecting paths (of a through-coloured 'charcoal' shade) using the *bluish tone* 'abilox<sup>®</sup>' Black Iron Oxide CAF-X2. The project is located at Graham Road, Highett, Victoria, and was contracted by the Victorian Government Department of Planning and Development, Melbourne, Victoria.

✿ **MINISTRY OF HOUSING, VICTORIA**

Residential Home units designed by a team of Ministry architects - as above – each having deep red 'ochre' shade integrally coloured, steel reinforced concrete paths and driveways using 'abilox<sup>®</sup>' Red Iron Oxide BBB-A1 were installed at 38 Evergreen Drive, St Albans, Victoria. Pavement construction by Bayswater, Melbourne based Montdami Pty Ltd.

✿ **EASTERN FREEWAY, MELBOURNE** – Integrally coloured acoustic noise control barriers at the Bulleen and Thompsons Roads, Bulleen section. These pre-cast concrete noise wall panels were manufactured by long established pre-caster Associated Pre-Cast Pty Ltd of Springvale, Victoria, for client Vic Roads. ‘abilox®’ Midnight Black was used to obtain ‘deep charcoal’ coloured panels in this section *having very uniform permanent colouration*. Additional pre-cast concrete noise wall panels in another location of this major \$27 million project featured a deep bluish grey self colour shade obtained by incorporating ‘abilox®’ Black Iron Oxide CAF-X2 throughout the mix were manufactured by regional pre-caster Sovereign Concrete Products Pty Ltd in Wendouree, Ballarat, Vic. Contact: Mr. Robert Booth.

✿ **\*SOUTH EASTERN FREEWAY, CAMBERWELL, VICTORIA**

Gardiners Creek Section for Vic. Roads. Auscore Pre-Cast Concrete Pty Ltd produced technically advanced highly textured, intensely strong multi-coloured pre-cast reinforced concrete panels using ‘abilox®’ Black Iron Oxide CAF-X2 oxide and several other individual ‘abilox®’ colours.

✿ **OAKFORD ULTIMATE APARTMENTS. CORNER CROMWELL & SURREY ROADS, SOUTH YARRA, VICTORIA**

Highly uniform, through coloured cast-in-place, steel reinforced coloured concrete car park pavements and incorporated ‘abilox®’ Black Iron Oxide CAF-X2 as the permanent colourant.

✿ **VICTORIAN STATE MINISTRY OF HOUSING - RESIDENTIAL HOME UNITS AT BRIDGEFORD COURT, WEST HEIDELBERG, VICTORIA**

Integrally coloured cast-in-place reinforced concrete

paving has utilised by barrel mixing ‘abilox®’ Light Marigold oxide HF-15 to obtain colour that generally matches the installed ‘terracotta’ shade baked clay brick construction.

Commissioned by architects of the Victorian Government Department of Planning and Development.

✿ **GORDON MANUFACTURING INDUSTRY TRAINING CENTRE**

Geelong. Victoria (one of five campuses of the Gordon Institute of TAFE).

A recurrent cogwheel theme of circles of integrally coloured, steel reinforced concrete - all in different colours is here a delight to the eye. Like ripples in a pond coloured circles arc outwards from the centrally located electrotechnology building to delineate the central lawn, surround a new student lounge/resource centre and create a welcoming new entrance to attract people to the campus.

Architects in Association: Fred Buono of the Victorian Dept. of Infrastructure with Derek Weigall, Landscape Architect and principal of Aspect Landscape Consultants Pty Ltd of Jolimont, Victoria.

✿ **PRECAST PANELS MANUFACTURED BY HANSON PRECAST PTY LTD, RIVERSTONE, NSW, USING ‘abilox®’ BLACK CAF-X2:**

- ✿ Port Macquarie Performing Arts Centre Cr Hay & Clarence, Port Macquarie, NSW
- ✿ Sonic Health Care, 14 Giffnock Ave, North Ryde, NSW
- ✿ Black Theatre, 27-31 Cope St, Redfern, NSW
- ✿ Sydney University, School of IT, Cnr City Road & Cleveland Street, Broadway, NSW
- ✿ ‘Monument’ residential apartments, 20 Pelican Street, (cnr Oxford Street), Surry Hills, NSW
- ✿ Evolve Apartments, Jacksons Landing, 1 Distillery Drive, Pyrmont, NSW

- Highly recommended sites to view. Effectively shows how ‘abilox®’ pigment powders can be used in ordinary building materials for a delightfully coloured visual effect.

