



Curricular Vitae

COLIN PROUSE NZCSC (CHEM)

The writer specialises in the field of applied protective coatings, exterior cladding systems and weathertightness of buildings. Over the past 12 years he has offered specialist building maintenance surveys and preventative maintenance planning, also dealing with building related Resource Management Act issues and advice related to the Building Act. Experience extends to Risk Management Planning and implementation, training of client's staff and contractors and supervision of projects.

Qualifications:

New Zealand Certificate in Science majoring in Chemistry in 1969 at the Auckland Technical Institute. Certificate in Industrial and Commercial Photography, also from the Auckland Technical Institute. The writer completed the first of a two year course for the Diploma in Business and Industrial Administration from the Auckland University's School of Engineering.

Training:

Early training included plasterboard testing and non-ferrous metal assay techniques including the use of Atomic Absorption Spectroscopy;

Extensive training in the testing of paper, carton-board, wax and adhesive materials, as well as the trialing of new materials for improved production efficiency and or new products for overseas export use;

Training in the testing of printing inks, as well as development of specialised resin systems as the basis of new ink systems;

Training in the application of a range of analytical instruments and procedures including GC, HPLC, TFEP, to medical and industrial research and development projects;

Extensive training in the use of pigments and additives for coatings, ceramics and plastics, here in New Zealand, Australia and in Germany through BASF AG – second largest chemical company in the world;

Extensive training in the application of both industrial and decorative coatings; by brush, roller, pin roller, hopper gun, pressurised texture gun, air atomisation spray, HVLP and airless means;

Specialist training by ICI on the refurbishment requirements of Housing New Zealand when employed by ICI as an assessor;

Specialist training in the preparation and application of industrial floor coatings by Uroxsys;





Training on corrosion and its treatment, through membership of the Australasian Corrosion Association;

Attended the 'Weathertight Training Course 2002' sponsored by the BIA, passing the examinations conducted by the NZ Institute of Building Surveyors.

Experience Related To Building Work:

Preparation and application of a wide range of decorative type coatings to a full range of substrates, including all types of remediation work;

Preparation and application of industrial coatings to a full range of substrates, including metal, plastic, glass, and timber substrates;

Preparation and application of high finish (lacquer type) coatings to a wide range of substrates;

Preparation and application of a range of 'anti-graffiti' coatings;

Preparation and application of a range of textured coating systems over fibre-cement and other substrates;

Preparation and application of a wide range of liquid applied membranes over a range of substrates;

Preparation and application of concrete repair products, remedying concrete spalling, leakage and hydrostatic water problems;

The preparation and application of specialist protective coatings and preservatives for the restoration of historic buildings; and,

Investigation and analysis of paint and coating application problems:

The writer has been engaged as an expert witness by the courts – as well as by building consulting firms involving coating disputes;

In 2002 the writer was one of the first to be engaged as an assessor by the New Zealand Government's in relation to the 'Weathertight Homes Resolution Service'.

Past and Present Professional Associations:

From 1979 to 1985 the writer was a member of the Oil, Colour and Chemicals Association Inc

In 1994 Colin was accepted as a full member of the Australasian Corrosion Association Inc.

In 2001 was accepted as a member of the New Zealand Institute of Building Surveyors Inc.



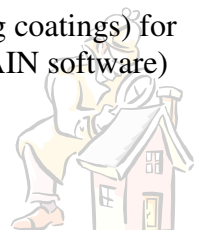


Coating Projects recently undertaken include:

- Coating design, selection, preparation of specifications and tendering documents, then Project Management of the works for the Papakowhai Footbridge over SH1 (Steel and timber in a marine environment)
- Coating design, selection, preparation of specifications and tendering documents, then Project Management of the refurbishment of the Paremata Footbridge over SH1 (Steel and timber in a marine environment)
- Coating design, selection, preparation of specifications and tendering documents, then Project Management of the refurbishment of the exterior of Premier House (Timber)

Other projects designed and managed include:

- Restoration of the exterior stonework of Parliament Building (a two year contract)
- Restoration of the exterior stonework of the Auckland Town Hall (Stage 1)
- Restoration of the exterior of the Stonework of the historic Oamaru National Bank building
- Project Management of the cleaning and application of a protective treatment to the terrazzo of the Commercial Union Insurance building, Wellington
- Project Management of the external refurbishment of the Tasman St Flats (WCC)
- Project Management of the re-waterproofing of concrete decks in the Te Aroa Flats (WCC)
- Design and implementation of a two-year exterior maintenance programme for all branches of the Bank of New Zealand (Lower NI)
- Design and implementation of a five year exterior maintenance programme for the Wellington School of Medicine (owned by Otago University)
- Design and initial implementation of a ten year exterior maintenance plan (including coatings) for the Wellington Civic Centre buildings for Wellington City Council (using MAINTAIN software)





- Design of a ten year exterior maintenance programme (including coatings) for ~2,400 rental properties for Wellington City Council (using MAINTAIN software) including extended consulting services
- The investigation and analysis of cladding and leaky house issues – over the past five years and more - see **Remediation work**.

Weathertightness activities:

Currently the writer provides design and consulting advice to importers and manufacturer's of roofing, cladding, window and membrane products and systems. This work involves the establishment of interim performance standards, benchmark criteria where possible, test performance methods, as well as general appraisals based on risk management based quality assurance processes. The writer is also an authority on operational risk-management based training and implementation processes, especially as they apply to the building industry.

The writer is also the author of the 'Six Principles of Weathertightness' as an alternative to the current criteria for Clause E2.3, which has been promoted throughout the cladding industry and to Government.

Remediation work:

The writer acts as a specialist remediation design and project management consultant having considerable technical and practical experience with claddings and membranes. The writer has access to a wide range of specialist technical experts in the coatings and cladding fields, as well as having an extensive technical library of remediation materials and systems.

The writer has completed the following remediation works recently including -

- Swinford Crescent, Johnsonville; Leaky fibre-cement house
- Woodman Drive, Linden; Leaky Fibre-cement house
- The Layline, Whitby; Leaky EIFS house
- Easton Way, Levin; Leaky EIFS house
- Normandale Road, Normandale; Leaky Butynol deck
- Hill Street, Wgtn City; Leaky apartments
- Arawa Road; Hataitai; Leaky apartments
- Lanyon Place, Whitby; Leaky Fibre-cement house
- Matai Street, Lower Hutt; Leaky conservatory abutting a cedar W/B house
- Ariki Road, Hataitai; Leaky Fibre-cement house
- Hobart Street, Mirimar; Leaky EIFS house
- Wakefield Street Apartment Conversion; Leaks from balconies
- Saunders Close, Whitby; Leaky EIFS house (in progress)





- Manor Drive, Wainuiomata; Leaky bedroom
 - Clutha Avenue; Ngaio; Leaky Fibre-cement apartment (in progress)
 - Cromarty Place, Papakowhai; Leaky EIFS house
 - Croydon Street, Karori; Leaky balcony/deck
 - Roxburgh Street, Mt Victoria; Leaks in bathroom floor
 - Pelorous Drive, Newlands; Leaky Fibre-cement house
 - Woodman Drive(2), Linden; Leaky EIFS roof to wall
 - Karepa Street, Brooklyn; Moisture ingress through foundations
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- Several buildings ranging from small to very large – for Massey University; leaks from walls, roofs, basement walls, etc.

In addition the writer has produced remediation reports for (excluding those done for the WHRS) including –

- Hawtry Place, Johnsonville; Leaky Fibre-cement house
- Molyneux Close, Whitby; Leaky EIFS house
- Totora Crescent, Lower Hutt; Leaky EIFS house
- Grimsby Grove, Wainuiomata; Rising Damp
- Paremata Road, Paremata; Leaky EIFS house
- Barque Crescent, Whitby; Leak from kitchen plumbing
- Redwood Avenue, Tawa; Leak from laundry plumbing
- Miromiro Road, Lower Hutt; Leak from shower unit

Testimonials:

Available on request.

