



LET'S TALK ABOUT

WATERPROOFING

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Training, Training, Training...

You can't overdo it.

We recently had one of our training days on equipment and techniques. The response, to say the least was overwhelming.

Not only were all the applicators sending thank you txt's and commenting on what they had learnt – they became proactive and started adding their own ideas. This prompted me to share this as a way of helping all applicators do the job correctly.

WHY are businesses not doing more training? There are so many different techniques for each type of material. I was sitting on a decking in North Island New Zealand, beer in hand and a wonderful view with some friends a few weeks ago and the conversation got around to waterproofing.

This chap was a friend of a friend (who owned the house with the wonderful decking / views) He said "Oh, I just got a waterproofing qualification" – of course I asked what that was. He said it was for a product (no names mentioned in this) that offered a "certification" for using their product.

I got more interested, he said "Yea – I went along with a mate just for fun, got three scones and two builders pencils, a free beer or two at the end of it - boom, I walk out with my certificate!!! This is NOT the training I am referring to.

If we have a (proper) training day (or even a few hours) each month or two, business owners will find your work gets carried out the correct way, saving \$\$\$\$.

This will reduce your call backs and you will find each task gets completed sooner than it would if your workers are not standing there wondering "how do I do this"?

If you can't do the training yourself or have one of your team do it, send your team to a recognized training place, such as MBA or HIA, etc – The Cert 111 waterproofing course is available as well which we encourage all members to get.

Contact AIW if you need some help with organizing your training.

The AIW itself does not carry out training but we can direct you to organisations that can help.

This is not rocket science but more jobs I visit and see what's going on in the industry, the more I want to pass this message along to all our members.

The AIW is striving to have all of its members become more professional in the day to day workings of waterproofing and associated applications.

By: Paul Evans
AIW Chairman

The AIW Delivers on the Importance of Waterproofing

On the 29th March 2017, the AIW attended and presented at the ADEB (Architects Designers Engineers Builders) Waterproofing Breakfast Seminar in Sydney which focussed on Commercial & Residential High-Rise Water-Proofing Failures and Solutions.

Paul Evans, AIW President, gave a brief overview of the AIW and the part the institute plays in raising the standards of waterproofing in Australia. Robert McDonald, an AIW member, delivered an informative session outlining the “Australian Standards in Waterproofing”.

These two presentations included discussions on:

- * *Common defects in waterproofing - internal & external.*
- * *Priming*
- * *Substrate Moisture Content*
- * *Inspection & Testing of Waterproofing*
- * *Drainage & Waterproofing*
- * *Product Knowledge*
- * *CA 55 - 1970 - Design and Installation of Bituminous Fabric Roofing.*
- * *AS 3740 - Waterproofing Wet Areas in Residential Buildings.*
- * *As 4858 - 2004 Wet Area Membranes.*
- * *As 4654 - 2012 Waterproofing Membrane.*

The AIW remains dedicated to acting as a vehicle for updating, providing current information and educational resources for all industries involved with waterproofing.

How do we achieve uniform waterproofing compliance, nationally? Certainly State and Territory Regulatory Authorities play a role, however current licensing requirements are disjointed and in most States not required.

Local Authorities and building surveyors request Waterproofing Application Certificates in order to certify compliance with BCA and Australian Standards. Certifiers will require that certificates are issued by a competent person.

One where the works performed are covered by the scope of their license, or a person with formal qualifications to carry out the works. Training and qualifications are regulated under the National Qualifications Framework.

Plumbers do not have the above formal qualifications in their framework, and therefore should not be issuing waterproofing application certificates, as a competent person. Builders should ensure that tilers issuing certificates carry the current qualifications for their trade.

CPC 31411 Cert III in Construction Waterproofing contains the following core competencies:

CPCCWP 3001A Apply waterproofing process to below ground level wet areas.

CPCCWP 3002A Apply waterproofing process to internal wet areas.

CPCCWP 3003A Apply waterproofing process to external wet areas.

How Do I Get Qualified as a Competent Person?

There are a number of avenues available to secure a formal qualification as a Cert III Construction Waterproofer, dependant on your experience and current qualifications.

CPC 31411 is offered through selected Skills Tech (T.A.F.E) colleges as a two to four year apprenticeship, under a State government training contract with a suitably qualified host employer or group employment company.

This is suited to inexperienced candidates, covering the full range of competencies, including generic competencies applicable to other Cert III trades, such as: Work effectively and sustainably in the construction industry; Plan and organise work; Conduct workplace communication etc.

These are accompanied by trade specific core competencies, as mentioned above. There are 14 core competencies with 5 electives to make up the Cert III qualification. The qualification is recognised nationally, when delivered and issued by a Registered Training Organisation (RTO).

Master Builders NSW and Queensland Master Builders, as RTO's, offer a four day qualification course. This course offers all fourteen core competencies with five electives, including: frame and fit out of wet areas; install sealant devices; concreting to simple forms; levelling; and safe demolition.

This course is aimed at partially experienced practitioners, with two years waterproofing application experience supported by other industry qualifications. Accredited tilers, architects, builders, engineers, project supervisors and waterproofing applicators with partial competencies attend these courses.

Courses are offered in Sydney and throughout regional NSW; Brisbane and throughout regional Qld. MBA NSW are also supporting a Tasmanian course to be hosted in Hobart in September of 2017.

These courses are partially funded with the support of respective State Governments. This course is also planned for Victoria, to be held in the later half of the year.

The next avenue involves a Recognition of Prior Learning (RPL). RPL's are for experienced punters with a minimum of four years practical experience in all

forms of waterproofing disciplines. Waterproofing is, normally, a specialised trade. Most practitioners apply waterproofing to either: internal wet areas and decks; or below ground and external wet areas.

Quite often gap training or practical exercises are required to evidence full competency for the complete qualification. A number of RTO's operate throughout most states offering this avenue.

Kangan Institute in Victoria, offer another avenue for qualification. This course is limited to applicants with 5 years full time waterproofing experience and is fully funded by State Government.

The qualification completion takes 6 to 12 months with 12 site visits, to your worksite, to facilitate practical raining and assessments. Any gap training required is conducted at the Broadmeadows campus.

What About Me? I Just Want to Know What Is Compliant!

Industry associations provide seminars focussing on BCA and Australian Standards compliance. These are not qualification courses, but are informative seminars.

These sessions are aimed at builders, design professionals, waterproofing practitioners and building surveyors. State regulatory authorities provide open forum seminars on BCA changes.

Aside from formal qualifications, it is important to educate other stake holders on regulatory requirements. Often builders and waterproofing applicators complain about arguing with certifiers about compliant practices.

MBA NSW are delivering one day courses, where CPD points are issued:

1) Australian Standards Compliance – internal and external application compliance, and practical design solutions.

2) Further courses are under development covering – Below Ground Waterproofing and Remedial Waterproofing.

HIA are delivering four by half day technical courses on waterproofing compliance. Each course runs for four hours and rewards course participants with 4 CPD points, as per State requirements.

These courses are available nationally, and cater for localised application techniques with a focus on Standards and mandatory compliance.

The courses on offer are:

1) Waterproofing Wet Areas – AS 3740- 2010 compliance and practical design solutions.

2) Waterproofing External – AS 4654.2- 2012 compliance and efflorescence defects avoidance.

3) Wet Area Inspections and Defect Identification – AS 3740-2010 compliance, visual defect inspections and the Shower Leak Detection Test protocols.

4) Wall and Floor Tiling Trouble Shooting – AS 3958.1-2007 compliance and defect avoidance. Functional failures and cosmetic defects.

AIW are currently developing a number of ½ day courses, focussing on Australian Standards Compliance, Inspections, Material Compatibility and Membrane Selection, and Best Practice Applications.

These courses will be available to all AIW members. National Committee Members will co-ordinate delivery Nationally for all regional areas.

Cert III Construction Waterproofing Course Dates

MBA NSW 4 Day Cert III Qualification courses for suitably experienced candidates are listed below. MBA Training can be contacted on 02 8586 3588 for enquiries and registration. Regional CPD courses dates are available through this department.

19 th - 22 nd April	Sydney Norwest
17 th - 20 th May	Newcastle
14 th - 17 th June	Sydney Norwest
21 st - 24 th June	Wollongong
24 th - 27 th July	Port Macquarie
16 th - 19 th Aug	Sydney Norwest
30 th Aug - 2 nd Sept	Sydney Norwest
25 th - 28 th Oct	Sydney Norwest
8 th - 11 th Nov	Sydney Norwest
13 th - 16 th Dec	Sydney Norwest

MBA Qld 4 Day Cert III Qualification courses for suitably experienced candidates are listed below. MBA Training can be contacted on 07 3225 6437 for enquiries and registration.

26 th - 29 th April	Brisbane
22 nd - 25 th May	Sunshine Coast
27 th - 30 th May	Gold Coast
6 th - 9 th July	Rockhampton
11 th - 14 th July	Mackay
11 th - 14 th Aug	Toowoomba
4 th - 7 th Oct	Cairns
9 th - 12 th Oct	Townsville
14 th - 17 th Nov	Brisbane
19 th - 22 nd Nov	Hervey Bay

Tasmanian Qualification Course enquiries at the above number and scheduled for:

22nd - 25th Sept

BSOL Hobart



AIW Charter

Directional Mission Statement

“To represent the interests of the total industry in raising the standard of waterproofing in Australia by becoming the ‘central source’ of knowledge, augmented by members experience to mentor continuous change.”

Key Aims

The Key Aims provide a desired outcome for the mid- term.

- To be recognised by the Industry, Governments and Consumers as “the voice of the waterproofing industry”.
- To have members numbers in each State reach significant ‘critical mass’ participation.
- To have strong member participation in driving change to ‘raise the standard’.
- To build financial, network, stakeholder and staffing capacities to drive change.

Charter of Activities

Given our mission and aims our prime activities are to be focused on:

- To always represent the best interests of our members.
- To promote relevant Australian Standards and inform members if any significant changes.
- To provide up-to-date ‘best practice’ waterproofing application assistance to members via electronic media.
- To provide members with ‘continuous learning’ of construction and waterproofing via Stakeholder formal training, member sponsored short courses and downloadable modules.
- Lobby Governments and Authorities to promote waterproofing industry changes, plus lift AIW industry profile awareness.

- Hold activities and participate in stakeholder functions to promote membership. • Support the education of the construction industry as a whole with the goal of obtaining defect free waterproofing.
- Provide guidance on product / application compliance with NCC Performance Requirements.
- Promote independent testing by manufactures to ensure all their products comply with current Australian Standards.

Targeted Member Benefits

The bi-product of successfully achieving our Aims through the nominated Activities will provide our members the following benefits:

- Ability to generate more leads for their business to gain profitable results.
- Networked into the strongest knowledge based to develop solutions.
- Economic credibility gained by display of the logo.
- Members will reliably informed of any changes within the industry that will impact in there business.
- Opportunity to contribute to changes in the industry by participating in voluntary Committee activity.

Published Articles by Paul Evans - Remedial Waterproofing Consultant

Finding and Fixing What Lies Beneath in Waterproofing

February 29th, 2024

Drenched to the Core: Major Waterproofing Problems Plaguing Residential Homes

October 12th, 2023

(Sponsored Content) Raising Standards and Awareness in Waterproofing

February 9th, 2023

Multi-Storey Basements Must be Kept Dry

May 26th, 2022

Why Tiling and Waterproofing are Intrinsically Linked

January 17th, 2022

Waterproofing Design In Construction

July 30th, 2021

Leaking Concrete Rooftops – Why Waterproofing Should Not Be Ignored or Delayed

April 28th, 2021

Solving Water Leaks Is Not Always About Waterproofing

February 4th, 2021

Australia's Awareness of Waterproofing is Growing

May 21st, 2020

Why Balconies Leak

February 24th, 2020

BuildIT – Featured Article 2019

“Committed to Raising Waterproofing Standards and Training Across Australia”

Paul Evans, President of Australian Institute of Waterproofing

<https://buildit.partica.online/buildit/buildit-2018/flipbook/66/>

Sourceable – Construction

Interviewed by Andrew Heaton on October 5th, 2017

<https://sourceable.net/australia-must-improve-waterproofing-standards-practices/>

Waterproofing President to Speak at International Conference

Australian Institute of Waterproofing (AIW) News - October 2017

Solving Roof & Balcony Leaks

Facility Perspectives - The Leading Resource for Facility Management in Australasia. VOL 11 NO 1. March-May 2017

Notes from a Balcony Inspection

Australian Institute of Waterproofing (AIW) News - November 2016

Australian Institute of Waterproofing – Online News

Notes from a Balcony Inspection – Nov 2016

<https://www.waterproof.org.au/notes-from-a-balcony-inspection/>

Getting It Right in the First Place – October 2016

<https://www.waterproof.org.au/getting-right-first-place/>

Waterproofing - Getting it Right the First Time

Australian Institute of Waterproofing (AIW) News - October 2016

Waterproofing - Common Failures

LinkedIn Article - Feb 2015

Associations

Australian Institute of Waterproofing (AIW)

Australian Society of Building Consultants (ASBC)

Building Dispute Practitioner Society (BDPS)

Concrete Institute of Australia (CIA)

Australian Concrete Repair & Remedial Building Association (ACRA)

Master Builders Association Victoria-Specialist Contractor (MBAV)

Owners Corporation Network of Australia Ltd (OCN)

VBA Registered Building Practitioner - Domestic Builder Unlimited DB-U 7983

VBA Registered Building Practitioner - Commercial Builder Unlimited CB-U 4077