



Wet Area Compliance Audit

Ensure Compliance, Quality and Longevity is achieved.

A Waterproof Awareness and Industry Best Construction initiative

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Waterproof Awareness P/L

Waterproof Awareness P/L has been established to educate and assist Building, Waterproofing and Tiling Contractors save time and money by reducing defects and non-compliance issues, thereby increasing quality outputs and supporting overall profit. Waterproof Awareness P/L specialises in wet area design and installation compliance with an emphasis on construction waterproofing to Internal, External and Below Grade areas.

Brief

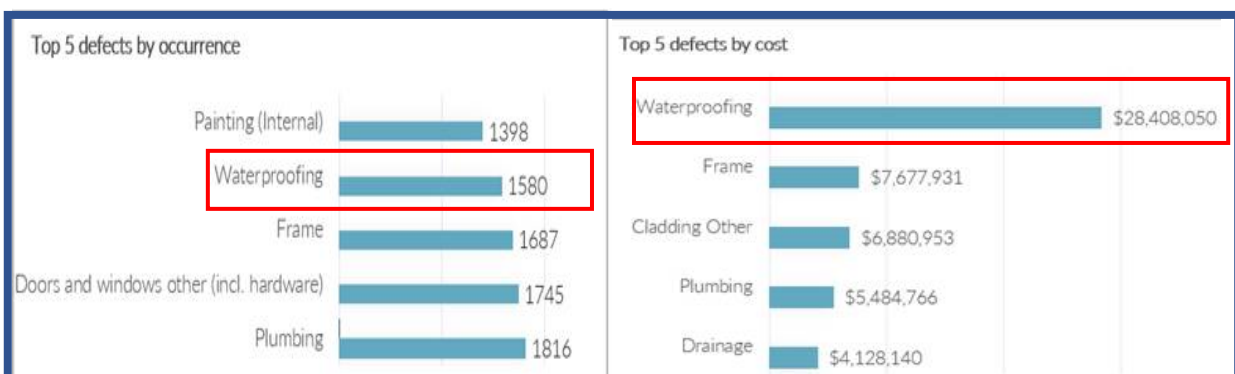
Waterproof Awareness P/L conduct an audit on a current project to improve the installation of waterproof systems on your project.

This is an initial Pilot to ascertain if Waterproof Awareness P/L Audits and post Audit actions support improvements to current building and rectification practises.

Currently, large portions of internal and external wet area designs, construction practises and waterproofing installations are non-compliant to the National construction code which results in building and waterproof material manufacturers' warranties instantly being voided. Consequently, builders and homeowners are left with non-compliant and unsafe dwellings to rectify without allocated funds to do so.

In Australia and New Zealand, the current construction industry standard is that many wet area failures occur in the 4-7 year with over 70% of insurance claims coming from defective waterproofing.

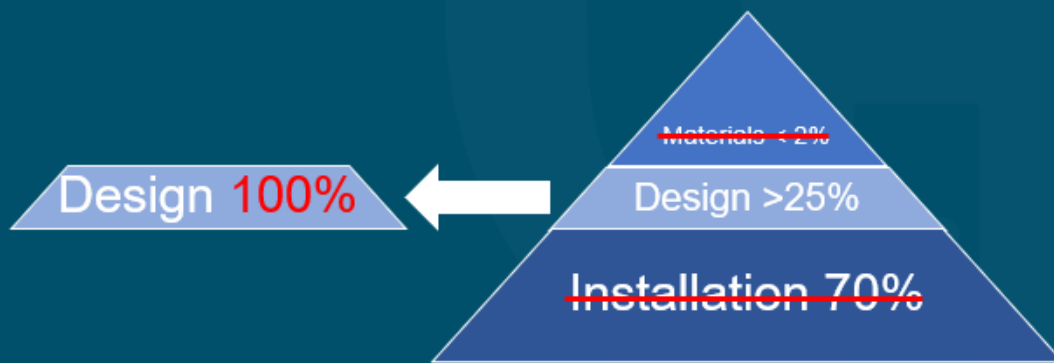
This statistic is backed up by data issued from the Victoria Managed Insurance Authority VMIA which ranked waterproofing as fourth in defect by occurrence and a clear first in defect by cost.



Information below gathered by Waterproof Awareness P/L technical waterproofing training Australia wide.

On average 70% of waterproofing failures are caused by incorrect installation of the substrate and waterproofing system.

When the Wet area design is incorrect failure is guaranteed!



* Est % from our training & research around Australia & NZ

Audit

The Audit is the first step to identify and highlight:

- **why** there are fundamental breakdowns in the wet area construction practises
- **how** to improve and ensure quality outcomes can be achieved every time for longevity.

Purpose

The overall purpose of an audit is to identify existing skills and knowledge on the job and in the company to construct a wet area project to the required National Construction Code (NCC) performance requirements. The audit includes:

- identifying key roles in the company responsible for wet areas from design to handover
- investigating current existing skills and knowledge about waterproofing compliance requirements to the NCC within the company
- identifying who needs to upskill and what type of training is required.

Recommendations about practical solutions include:

- minimum training and/or licencing requirements
- quality assurance staged inspections plan (pre & post membrane installation practises)

Resulting uptake of identified solutions will support:

- successful installation of waterproofing/ wall & floor tiling systems in future projects undertaken by on your project
- total compliance and warranty cover for you and your customers post implementation
- improved knowledge and communication onsite relating to wet area construction

Overall outcomes/ benefits of implementing this process are:

- save time and money on projects in reworks and insurance claims
- reduce defects and non-compliance issues
- ensure building elements have appropriate compliance status to Australian conditions
- increase profitability on builds
- improve construction of safe dwellings
- reduce Australia's Leaky Building Syndrome crisis
- improve confidence and credibility back into the construction industry.

Audit areas

Audit areas addressed in the Audit Report include:

Design

Review current internal/external wet area design methodology and highlight areas of non-conformance and improvement.

Recommend standardised practises to ensure constructions meets performance requirements to Building Code of Australia – AS3740-2021, AS4654.2-2012 & AS3958.1-2007 Deemed to satisfy solutions.

System

Establish standardised Waterproofing and Wall & Floor tiling installation practises. Confirm construction meets the performance requirements to:

- Building code of Australia
- AS3740-2021 Waterproofing of domestic wet areas
- AS4654.2-2012 Waterproofing membranes for external above-ground use
- AS3958.1-2007 Ceramic tiles – guide to the installation of ceramic tiles

Substrate and plumbing fixtures

Assess substrate and plumbing fixtures products present for:

- suitability for job requirements
- compliance to meet Building Code of Australia – and the Deemed to satisfy solutions.

Assess substrate installation procedures for:

- compliance to manufacturer's specifications and installation requirements
- allow for servicing requirements and compatibility to waterproofing detailing/ termination

Note: plumbing fixtures currently used should be assessed to ensure compliance, compatibility and servicing requirements can be achieved.

Waterproofing/ Wall & Floor Tiling systems

Assess Waterproofing & Wall & Floor tiling products used for Nata accreditation compliance and product compatibility chains.

Note: compatibility between waterproofing/ tiling systems are essential to maintain manufacturer's warrant for the life of the systems.

Scope of works

Develop a scope of works and inspection test plan audit, post onsite auditing has been completed.

Preliminary review of current Scope of works and inspection test plans will be undertaken.

An upgraded current Scope of works test plan and inspection test plan will be recommended.

Post-Audit

Findings & Recommendations

After conducting the audit, Waterproof Awareness P/L will arrange a meeting with you to discuss the findings and recommendations from the audit.

The outcome of this discussion will confirm next steps to support improved waterproofing on job sites.

Next steps may include agreement to:

- complete a Pre (substrate) and Post (membrane) installation inspection cycle during builds
- schedule Compliance Training as identified.

Both steps will be negotiated, developed and costed post audit and based on findings.

Inspection cycle (per job)

Inspection cycle during builds will incorporate:

Pre-membrane substrate inspection

Assess installed substrate to ensure:

- *suitability and is fit for purpose (site specific)*
- *installation is consistent with manufacturer's installation guides including;*
- *fixing and loading requirements*
- *fixture and drainage provision/s compatibility*
- *fall and overflow requirements*
- *joint and penetration detailing*
- *suitable to commence installation of the waterproofing system.*

Post membrane inspection

Assessment membrane complies with:

- *AS3740-2021 Waterproofing of domestic wet areas*
- *AS4654.2-2012 Waterproofing membranes for external above-ground use*

Assess the Waterproofing membrane (WPM) installation complies with manufacturers specifications including:

- *Extent of membrane*
- *Wet area category and fall requirements*
- *Use of correct primers, reinforcement bandage and ancillary installation items*
- *Measuring of fillet/bond breakers*
- *Detailing of penetrations and termination extents*
- *Vertical separation & waterstop compliance*
- *Measuring waterproof membrane Dry Film Thickness using ultrasonic thickness device*
- *suitable to commence installation of the wall and floor tiling system.*

Industry Best Construction Digital Platform

Eliminate the grey area on your jobs from poor design and communication, provide state-of-the-art service to your customers, illuminate mountains of paperwork, you complete your jobs more effectively.

The Industry Best Construction (IBC) digital platform helps building professionals to manage their construction design, quality, compliance and documentation obligations.

IBC allows users to track and communicate throughout the entire construction process from design stage to handover by providing process flow checklists, inspection test plans specific to each trade, reporting and compliance certificate templates.

IBC is simple to use allowing users to manage their jobs on their computer desktop and on-site technicians using their mobile device to upload the critical information and complete the hands-on tasks.

The IBC digital platform helps to:

- manage construction design, quality, compliance and documentation obligations
- track and communicate throughout the entire construction process from design stage to handover
- manage jobs on your desktop web app & onsite using smartphone/tablet to complete hands-on tasks
- access any job and address any issues immediately through our communication portal
- provide a **LIVE** record / complete history of jobs from start to finish.

Once signed up, you can:

- complete digital reports, procedures & certificates on site, through the web app
- create a holistic portfolio of evidence of each job that complies with the NCC performance requirements, relevant Aust. Standards and manufacturers specifications
- catalogue client assets and view their service history for the life of the applied warranty.

From design stage to handover, the platform provides process-flow checklists, inspection test plans specific to each trade, reporting and compliance certificate templates, thus providing a holistic portfolio of evidence for each job.

Who is Industry Best Construction for?

| | |
|--|---|
| <ul style="list-style-type: none"> ✓ All trades ✓ Builders ✓ Project managers ✓ Site supervisors ✓ Building designers & consultants ✓ Waterproofing designers & consultants ✓ 3rd Party inspectors ✓ Product manufacturer's | <p style="text-align: center; margin: 0;">Small to Medium Businesses (SMB)</p> <ul style="list-style-type: none"> ✓ Address issues immediately ✓ Access any job and communicate directly from computer to mobile to multiple parties at once ✓ Learn the codes/ standards whilst on the job |
|--|---|

Offer

We offer TWO (2) **FREE job trials** with the IBC digital platform.

FREE trials include:

- onboarding by our team including user support training & access to the user support video portal
- access to the web app to create jobs, monitor & communicate in real time from your desktop / tablet.
- additional **FREE** mobile app licences for your sub-trades involved in wet area constructions such as:
 - Carpenters
 - Plumbers
 - Plasterers
 - Waterproofers
 - Wall & floor tilers
 - Associated fit-off trades
 - Independent Building Inspectors
- communication, additional jobs notes & photos stored within each job and can be used to go onto job reports and compliance certificates
- expert support and guidance from our team throughout the process
- **FREE** Sealcomb Wet Film Thickness gauges for your waterproofers/ tiler to measure the installation and fillets/ bond breakers and ensure due diligence for the waterproofing installation.

Note: To take us this offer of a FREE two (2) job trial please notify us by the date TBC upon agreement.

Proposal & Pricing

Waterproof Awareness P/L will provide an audit of one (1) nominated property and subsequent registration of this property onto the Industry Best Construction Digital Platform.

You will be able to trial Waterproof Awareness P/L audit services and use of the IBC platform to monitor and manage Wet area construction new and remediation works.

Actions and costs for this opportunity are:

| ACTIONS | Costs \$ (Exc GST) | |
|---|--------------------|-------------|
| Waterproof Awareness P/L will: <ul style="list-style-type: none"> • Conduct an audit on a nominated your job • Complete and submit an audit report for this job • Conduct a post audit meeting to discuss findings and recommendations | TBC | per job |
| Client will: <ul style="list-style-type: none"> • Confirm actions to proceed in post audit meeting • Obtain FREE two (2) job Trials to the Industry Best Construction Digital platform for its Quality Assurance capabilities | - | |
| Industry Best Construction will: <ul style="list-style-type: none"> • Set up audited job/s on IBC platform. This includes: <ul style="list-style-type: none"> ○ One (1) Admin licence for audited job ○ Initial Ten (10) FREE mobile app licences to add associated sub-contractors • Send invites to nominated participants • Onboard and induct participants to the platform • Provide FREE support to nominated participants. | FREE | per job (2) |
| Client will: <ul style="list-style-type: none"> • Use the IBC Platform • Provide feedback to Industry Best Construction about usability of the platform for their work to support Quality Assurance, compliance and cohesion between trades | - | |
| Client and Waterproof Awareness P/L will: <ul style="list-style-type: none"> • Meet to evaluate the effectiveness of the wet area audit and IBC Platform to support improvements to wet area construction on nominated jobs. | - | |
| Additional 3rd party inspections conducted by Waterproof Awareness P/L to be quoted upon request, based off volume and location. | | |
| TOTAL COST | TBC (+GST) | |

Actions to proceed

| WHO | ACTION | OUTCOME |
|--------|--|--|
| C & WA | Confirm job site(s) to audit | Confirm number of jobs to undergo the auditing process |
| C | Accept quote and sign contracts to proceed | Lock in work to identify Wet area compliance issues |
| C & WA | Negotiate a timetable to complete audit of waterproofing on nominated site | Agree on audit timetable |
| WA | Complete audit and provide recommendations | Identify wet area compliance issues |
| C | Accept audit recommendations Approve works to proceed Sign up to use the Industry Best Digital Construction Platform FREE for 2 nominated standards jobs Standard job consists of: 2 x bathrooms, 1 x laundry, 1 x water closet WC & 1 x powder room | Agree on actions to improve identified issues |
| C & WA | Implement actions to improve WPM/ tiling systems onsite | Improve WPM & Tiling systems on sites |
| C & WA | Follow up – evaluate effectiveness of waterproofing improvement works against Client waterproofing outputs | Lessons learnt from Pilot |

Legend:

C - Client

WA - Waterproof Awareness P/L

WPM – Waterproofing

Job - individual RESIDENTIAL property nominated by company

IBC – Industry Best Construction Digital Platform.