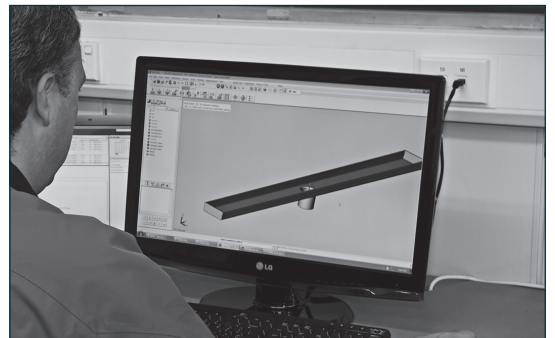


Rest assured, it's QUALITY ASSURED

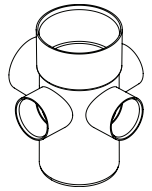
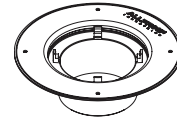
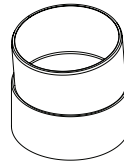
Allproof Industries sets itself very high standards when it comes to customer service. A key component of this is ensuring that the products leaving our building are at the highest standard we can produce.

This is a result of us implementing and monitoring multiple levels of Quality Assurance, to ensure we meet both the required standards related to the New Zealand and Australian building codes, as well as exceeding the expectations of the customer.

Each of our departments has its own set of systems in place to ensure that product gets to the customer in the best state possible.



PVC



The Watermark Certification Scheme

The WaterMark Certification Scheme is a certification scheme for products to ensure that the products are fit for use and approved for use in plumbing installations.

In Australia, certain plumbing and drainage materials and products are required to be certified and authorised for use in plumbing and drainage installations. Products need to be certified through the WaterMark Certification Scheme and listed on the WaterMark Product Database.

To achieve Watermark Certification, our products must:

- Show testing and auditing by a recognised testing company
- Comply with relevant standards and specifications
- Implement and monitor an approved Quality Assurance Program
- Carry a warranty



WMKA 21800 Level 1
Evaluated to AS/NZS 1260-2009
PVC-U Pipes and Fittings

External Auditing And Testing

As part of the Watermark Process we are also required to have regular external audits to ensure that we are meeting all the requirements of the system.

In our case, we use Australian company Approvalmark for our audit process. Annually we have a visit – where we go through our documentation for the last year, check all the processes are in place, and discuss and plan methods to improve our systems and procedures.

Standards - Measurements and Tolerances

Allproof Industries works within the requirements set out in the Australian & New Zealand Standards, as well as the New Zealand and Australian Building Codes.

Some standards particularly relevant to Allproof's Drain Waste and Vent PVC fittings include:

- AS/NZS 1260 – 2009 PVC-U Pipes and fittings for drain, waste and vent application
- AS 2887: 1997 Plastic Waste Fittings
- ATS 5200.040 – 2005 – Technical Specification for plumbing and drainage products

These documents contain the sizes and tolerances that we need to work within in order to produce products that fit into the systems we use here in NZ and Australia. It's important to note, that in the case of PVC fittings we are generally working to within a tolerance of +/- 0.4mm – that's not a lot.

Best Environmental Practices

In 2013, Allproof's PVC range of AS/NZS 1260 products have been evaluated by Approval Mark as complying with the requirement of 'Best Environmental Practices – PVC', as per the relevant Australian/New Zealand Standards and the guidelines as established by the Green Building Council Literature.

What this means is that we have zero Mercury involved in the production of our PVC products and have an established system for the recycling of PVC Products. Any waste PVC is reground and reincorporated into the run, as well as the ability to take back unused or unneeded fittings, cut them down, and incorporate them into new products.

Our PVC QA Process -An Overview

Before a product can even be made, all the drawings are checked and double checked to confirm to the standard. The CAD Files are then generally milled, cut and hammered into a massive block of steel, that by their nature, don't move a whole lot once made.

Initial test runs of product are made, and sent off for external testing in laboratories in both NZ and Australia. Before we make product, we have already had external confirmation of compliance. Once we know product is to specification, we can start making it.

All raw material that comes into the building is attributed a batch number so that we can trace the material back to the manufacturer should we need to. This batch number is associated with the job number to ensure traceability.

Every day, shortly after the job starts running, we take a random sample, and perform dimensional measurements and a high temperature oven test. The sample is measured to ensure conformity to the standard (a tolerance of +/- 0.4mm) and then heated up to 150deg Celsius and left there for 30 minutes. This sample is then taken out, dissected, and checked for delaminating or any other issues. If any issues are identified the run is immediately stopped, with all product up to that point likely binned.

Each hour of a run, a random sample is taken out and measured - this is tested to again confirm it is within the required tolerance of the standard. If something doesn't measure up, the run is immediately stopped, and we start testing more of the product to determine when and how the item has run out of specification. Remember, if the product is 0.5mm out of shape from expected, it gets binned. 0.5mm.

No product goes into stock, until the entire run has been completed, and the QA Officer has checked the paperwork, is happy with the product, and signs it off as finished. Then, the product enters the warehouse as good to go.

Through the assembly process, all the way to final dispatch, we have systems in place to identify and quarantine out of specification or faulty product. At every level of the business, we have checks and double checks.

**Quality Assurance
is present...**



ALLPROOF

I N D U S T R I E S



www.allproof.com

17 Bay Park Place, Beach Haven, Auckland, New Zealand • ph: +64 9 481 8020 • fax: +64 9 481 8021

107 East Derrimut Crescent, Derrimut 3030, Melbourne, Victoria, Australia • ph: +61 3 9394 1883 • fax: +61 3 9394 1884