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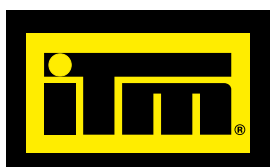
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Building Business contributes towards your LBP skills maintenance requirement. Ensure you log this into your ITM diary or the ITM App today.



# Get dust compliant

**PCBU's need to address construction site dust issues in order to be Health & Safety compliant.**

Amongst the hustle and bustle of the modern construction site a slow but effective killer lurks, construction site dust. A risk that presents itself whenever building materials are cut, sanded, machined, or cleaned. The respiratory risk to workers working directly on the task and others in the vicinity means that controlling construction site dust is an important and potentially lifesaving responsibility for PCBU's.

Silica, for example, is a mineral found in concrete and fibre cement building products (among others), and is a significant contributor to lung disease in New Zealand. Long-term exposure to silica dust from construction sites can be attributed to a large number of deaths in New Zealand every year.

Using power tools when working with these materials creates large volumes of dust. It is this fundamental process where WorkSafe New Zealand is encouraging industry to focus on becoming 'best practice' compliant.

## **New WorkSafe guidelines**

The issue of construction site dust and the associated health risk to workers has been talked about for some time now. Existing published guidelines were no longer adequate to address the modern dust levels and complexities present on many New Zealand construction sites.

WorkSafe has now prepared and released these guidelines, and your ITM store or sales rep can help you understand what changes might be required on your sites.





## Becoming dust compliant

Nilfisk's industrial dust extractors are the solution for any on-site portable dust extraction issue. Nilfisk has overhauled its range of on-site dust extractors, with additional features, increased durability, and full compliance with the new WorkSafe guidelines.

The new guidelines, titled 'Controlling Construction Dust with On-Tool Extraction' provides very clear areas that need to be addressed by PCBUs in construction environments where dust is created by tools (drilling, grinding, cutting, sanding etc.). The guide also introduces terminology that many tradespeople won't be familiar with. The full WorkSafe guidelines can be downloaded at:

[www.itm.co.nz/dustcontrol](http://www.itm.co.nz/dustcontrol)

## Power tools that provide Local Exhaust Ventilation (LEV)

What the industry would commonly think of as a 'dust port', this can be a standard feature of the tool, an optional accessory, or an aftermarket adaptor – a properly designed way of channelling the dust produced by each tool. ITM carries a full range of power tools that are either designed with built-in LEV solutions, or are compatible with optional LEV adaptors.

## Connect the system together

International best practice already dictates that tools that produce the dust, and the dust extractors that collect the dust can be professionally and efficiently interconnected with proper hoses and fittings, even when the brands of tool/extractor differ. These new guidelines encourage this best practice to become more prevalent on New Zealand construction sites.

## Compliant dust extractors

When working with a known hazardous dust, tradespeople need to select a certified vacuum cleaner that has been tested and approved at the design/manufacturing stage to perform to a certain certified level. Entry-level vacuums, where the actual level of dust collection, filtration, and leakage cannot be verified, are therefore discouraged.

The required level depends on the hazardous nature of the dust being created, which will

begin to be identified by building materials manufacturers.

The international identification system:

- **Low (L)**
- **Medium (M)**
- **Hazardous/High (H)**



## Training and maintenance

Correct maintenance and operator training form important aspects of the PCBU's responsibility to eliminate or reduce the level of construction site dust.

Nilfisk provides unparalleled performance and on-site durability, while providing full compliance with the new Health and Safety Guidelines. Your ITM store can provide additional support in the form of customised vacuum hose and power tool integration. A range of dust filtration and disposal methods are available to ensure safe, clean handling of construction site dust from the moment the dust is created, through to its final disposal.

Fully automatic filter cleaning, electronic air flow monitoring and audible alarms allow trade users to embrace a new level of best practice when it comes to ensuring cleaner air quality and improved safety for workers.



## DUST EXTRACTION

### 25L Wet & Dry Vacuum

#AERO 26-21 PC

- Power outlet with auto start/stop
- Collects dust straight from the power tool
- Push&Clean semi-automatic filter cleaning system
- Washable M-Class filter



**Nilfisk**  
Vacuums

**\$335**  
EXCL GST

### 30L – L Class Dust Extractor

#ATTIX 33-2L IC

- Wet & Dry model
- L Class certified machine
- Power outlet with auto start/stop, collects dust from your tool
- InfiniClean - automatically cleans the filter during operation
- Washable PET M-Class filter



**Nilfisk**  
Vacuums



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### 44L – L Class Dust Extractor

#ATTIX 44-2L IC

- Wet & Dry model
- L Class certified machine
- Power outlet with auto start/stop, collects dust from your tool
- InfiniClean - automatically cleans the filter during operation
- Washable PET M-Class filter



**Nilfisk**  
Vacuums



**\$1,160**  
EXCL GST

### 30L – M Class Dust Extractor

#ATTIX 33-2M IC

- Wet & Dry model
- M Class certified machine
- AntiStatic system
- Power outlet with auto start/stop, collects dust from your tool
- InfiniClean - Automatically cleans the filter during operation
- Washable PET M-Class filter



**Nilfisk**  
Vacuums



**\$1,345**  
EXCL GST

## FIBRE CEMENT CUTTERS COMBO



**ALL  
THIS FOR  
A GREAT  
PRICE!**

**\$1,800**  
EXCL GST

With new WorkSafe NZ guidelines around collecting dust directly from the tool, ITM have put together this sharply priced 'must have' kit if you are cutting fibre cement products.

This C7YA multi-purpose saw is the best solution for fast, low dust cutting of a wide range of fibre cement sheet products. It's coupled with the appropriately rated M-Class Nilfisk Dust Extractor to meet the guidelines for silica dust.

### #ATTIX COMBO CONTAINS:

#### 30L – M Class Dust Extractor

#ATTIX 33-2M IC

M Class certified machine suitable for silica dust

#### Hitachi 185mm Dustless Circular Saw

#C7YA

Designed for use with a special Polycrystalline Diamond Saw Blade

#### 185mm PCD Blade 'Hardiblade'™

#797024

For fast, clean cutting of fibre cement

#### Dust Extraction Power Tool Adaptor

#963558

To connect tool to vacuum hose

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Vacuums

**HITACHI**

**James Hardie**  
a smarter way™



# Build it right – know your rights and obligations

**The Ministry of Business, Innovation and Employment (MBIE) is running an information and education programme to help homeowners and contractors become better informed about consumer protection measures for residential building work.**

The measures encourage a professional, no-surprises relationship between homeowners and contractors, says Chris Kane, Manager of MBIE's Sector Trends and Innovation team.

"With increased activity due to the housing construction boom, it's really important that people know the rules around residential building work so they build it right. We want to encourage homeowners and contractors to adopt good practices from the start to help building projects run smoother."

## Written Contracts

Under the consumer protection measures, both parties must have a written contract for building work that will cost \$30,000 or more (incl GST). MBIE encourages contractors to provide a written contract for lower valued work too, so that everyone has an understanding of obligations, requirements and expectations. Homeowners are advised to seek legal advice before signing.

## Disclosure Statements

Contractors must also provide a disclosure statement and checklist. The disclosure statement is information about their skills, qualifications, licensing status and the insurance or guarantees provided. The checklist outlines the stages of the build and the steps homeowners can take to protect themselves.

If the building work is likely to cost less than \$30,000, contractors need to provide a disclosure statement and checklist only if the client asks for this information.



"MBIE recommends always providing this information to help manage client expectations and make sure everyone is on the same page," Chris says.

**"Homeowners and builders often speak a different language which can lead to miscommunication. Giving your client as much information as possible before building work starts is the best approach."**

## View the checklist

MBIE has prepared a checklist covering the content required by law. It includes information on how building projects are managed, hiring contractors, what should be covered in a written contract and resolving disputes. To find out more about the checklist and disclosure statement go to:

**[www.building.govt.nz/contracts](http://www.building.govt.nz/contracts)**



# POWER TOOLS

## 115MM Angle Grinder

#G12SS2(G1)

- Powerful 600 watt motor with high overload durability
- Strong alloy gearbox
- Spindle lock for easy wheel changing
- All ball bearing motor construction



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## 185MM Circular Saw

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- High-tech magnesium gear case and guard reduces weight and improves strength
- Rugged alloy base
- Carry case



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## 82MM Planer

#P20SF

- Powerful 620 watt motor
- Max cutting depth 2.6mm
- Automatic safety stand
- Convenient cable deflector hook



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**HITACHI**

## Heat Gun

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- 2-stage switch
- Cold air shot for fast cooling
- 5-piece accessory pack included



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## 13MM High Torque Drill

# D13VG

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- Heavy duty 13mm keyed chuck
- High torque output of 74Nm
- Supplied with extended side handle and carry case



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**HITACHI**

## 18V Impact Drill 1.5 Ah

#DV18DJL(GC)

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- 13mm single sleeve keyless chuck
- 22-stage adjustable clutch
- 2-speed gearbox with all metal gears
- Impact mode for masonry drilling



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**HITACHI**

## 18V Brushless Impact Drill 2 x 6.0Ah

#DV18DBL2(GY)

- High Power Torque 136Nm
- Safety function auto-reduces power output to avoid twisting
- Robust aluminium gear-case
- 2 x 6.0Ah Li-Ion Batteries
- Ultra-fast smart charger (6.0Ah - 38min)



**\$670**  
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**HITACHI**

## 18V Brushless Combo Kit 6.0Ah

#KC18DBDL(GB)

- DV18DBL2 Brushless high torque 136Nm Impact Drill
- WH18DBDL2 Brushless triple hammer 207Nm Impact Driver
- 2 x 6.0Ah Lithium advanced batteries
- Rapid 38 min smart charger & stackable system case



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**HITACHI**

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# TIEDOWNS

## Fastlock Tiedowns Triplepack

#TPFLK4

- 25mm x 4m webbing
- 500kg break strength
- NZ's No.1 selling tiedown
- PVC coated handle
- Made in New Zealand
- Meets ASNZS4380:2001 Standard



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## Tradesman Ratchet Tiedowns

#TWMR5

- 25mm x 5m webbing
- 1000kg break strength
- Wide handled ratchet
- Made in New Zealand
- Meets ASNZS4380:2001 Standard



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**New GIB RocTape® is a nonwoven matt fibreglass joint tape specially created for great performance.**

- Makes the joint mechanically strong
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Watch the installation video  
at [gib.co.nz/roctape](http://gib.co.nz/roctape)





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OLD-AS  
BUT IT LOOKS  
BRAND  
SPANKING"**

Building stories. When you live to support those who live to build, you spend a lot of time listening to them. It's how we learn what makes your business tick so we can give you all the support you need to get the job done. That's what makes us the building supplies specialist.

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**LIVE TO BUILD.**

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STRENGTH ┐



┌ CIVIL ┐



┌ HIGH  
STRENGTH ┐



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┌ CIVIL ┐

## PAVING SANDS



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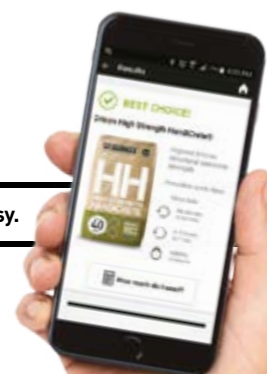


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\*Source: Dricon Brand Tracking Research June 2016, survey of 311 tradespeople





# The apprentice diary: entry #5

**It's cold and getting colder on-site. We are now in the depths of winter, and it's taken a while for my hands and fingers to thaw out to be able to type this diary entry.**

I've ditched my shorts and opted for wearing tracksuit bottoms at work, plus a jacket to keep the cold winds out. I'm not a big fan of wearing gloves, I have to admit, as I feel a bit clumsy.

On the topic of weather, I'm now carrying a full set of wet weather gear in my car, plus gumboots and a spare jumper. As much as we try and hide from the elements, it's part of the job. I'm lucky on my current site, as three quarters of the building is shrink-wrapped. That's great when it's raining, but even on sunny days the house is freezing as the sun can't get through.

## Working on my own

On the learning front, although I'm taking on new tasks, I'm using previously learnt skills to complete them pretty much unsupervised. Today for example, I built some floating shelves. This involved measuring the correct height (bench height plus four layers of tiles and grout), stripping the plasterboard, setting a level chalk line, rebating some U-shape brackets (there are two shelves), and bolting to the studs.



There was a bit of thinking involved, but I sketched out all the elements and how I was going to build it first. This helped visualise any potential issues. Five hours later and job done and ready for plaster.

I'm also learning new aspects too, such as vertical weatherboard cladding on a 45mm cavity batten (I've only done horizontal pine boards on 18mm batten so far). The battens are mechanically fixed as they are so deep, so have to be screwed off, then the boards nailed on with silicon bronze rose head nails.

The end result is amazing, and very satisfying. On this project the boards will be stained black for an executive home. I can't wait to see the end result.



## Hitting the books

I'm nine months into my apprenticeship now, and things are going well there too. I'm managing to complete four or five modules every few months when my training advisor visits, plus keeping photographic and written notes of what I have done from a practical point of view. This really helps in jogging the memory on what I've been up to. I'm aiming to complete my apprenticeship in around three years or so.

On the smoko front, I've finally succumbed to the local bakery pies, not every day, but more than I really should. But hey, it's cold outside and a hot pie certainly tastes good on a winter's day.

Till next time, stay safe and keep learning.

**By Stu Foster**

Apprentice

## Highlights

**Best job:** Pre-cutting cedar weatherboards

**Worst job:** Installing PEF rod round windows

**Favourite power tool:** Cordless skill saw

**Favourite hand tool:** Dog bar

**Apprentice tip:** Start reading the plans

## ADHESIVES

### Nailbond Fast

#445082 - 420g

- Low V.O.C.
- No solvent
- Fast grab and fast drying
- Water based, easy clean up
- Low odour
- Bonds to most common building materials



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### Sika Crystal Clear

#442764 - 300ml

- Glass-like clarity
- MS Technology
- Paintable
- Suitable for many different substrates
- Solvent free, isocyanate free
- Virtually odourless



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### Sikaflex -11 FC

#519857 - Grey 310ml

- Use as a joint sealant, as a powerful adhesive and as a highly effective gasket seal
- All general construction applications
- Approved for potable water applications
- Waterproofing



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### Sika AnchorFix-1

#497964 - 300ml

- Fits any standard sealant gun
- Can be used at low temperatures
- Excellent adhesion - can be used in concrete, solid masonry, hard natural stone and solid rock. Non-sag, can be used overhead
- Styrene-free, low odour, low waste



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**taubmans**



# Getting the best return from your ACC levies

If you're self-employed, staying healthy is pretty important. Getting sick or injured can have a big impact on your ability to keep the money rolling in.



*Out of every 1,000 builders off work through disability, 900 will be laid up due to illness not accident.*

*And yet ACC only provides compensation for accidental injury, not illness.*

Most self-employed people switch from the default ACC plan to something called Cover Plus Extra. There are a number of benefits in doing this, including:

1. Saving money on the levies paid for administrative (non-building) staff.
2. Agreeing a set income level on which your compensation (and levy) is based.
3. Dialling down your levy payments and using the saving to broaden the cover you get.

## **ACC levies for admin staff**

If you're on the default plan all staff will be rated at your business ACC classification. The rate for builders is much higher than that for office-based occupations. Under Cover Plus Extra you can specify different classifications for different employees depending on their role, which could save you thousands, even if you have just one office employee.

## **Speed and certainty if a claim is necessary**

On the default plan your compensation is capped at 80 per cent of your actual income, which ACC will determine at the time of the claim by looking

at your books, a process which can take some time (during which you're not getting compensation). If you've had a slow patch in the last 12 months (and we know builders' incomes often fluctuate), or your accountant has split your income with your partner for tax purposes, you may find that your ACC payout is well below what you expect (and need). On Cover Plus Extra you agree a fixed income with ACC and get 100 per cent of that figure if you have to make a claim.

## **Dialling down your ACC cover and broadening your cover by going private**

Cover Plus Extra also allows you to dial down your ACC levy contributions to a minimum level. These savings are then used to buy income protection (also called loss of earnings) insurance, which gives cover for both accident and illness, substantially broadening the cover you get to include the events that are most likely to keep you off work (you're more likely to be off work through illness rather than accident).

While employees don't pay their own ACC levies, they can still benefit from income protection insurance if they're forced off the job through illness.

## **A typical example**

Consider Jim, a 40-year-old builder earning \$80k:

**Cover with ACC Only**



**\$67 per week for injury only**

Jim's ACC levy works out at around \$67 per week for injury only cover.

By reducing his ACC cover to the minimum allowable under Cover Plus Extra and taking out private loss of earnings insurance he ends up paying \$66 per week for cover that includes both injury and illness.

**Cover with ACC Cover Plus Extra  
and Private Loss of Earnings**



**\$66 per week for Injury and Illness**

This is based on a 5-year benefit period vs cover under ACC that could run until retirement. However, as 91 per cent of claimants are back to work within the first five years this makes sense. Alternatively, for cover that runs until age 65 the cost would be an extra \$20 per week.

There are also other considerations that may affect whether this arrangement is right for you, such as pre-existing conditions, stand down periods and some benefits that may not be available under private insurance.

If you haven't done this yet, or want to review the cover you have, get in touch with your financial adviser, or contact Builtin Insurance. They'll arrange for you to have a chat with an adviser and put some options on the table.

You can request a review at:  
<https://builtininsurance.co.nz/incomeprotection>

**By Ben Rickard**



Builtin are New Zealand's trade insurance experts. For more information visit [www.builtininsurance.co.nz](http://www.builtininsurance.co.nz) or contact Ben Rickard at [ben@builtin.co.nz](mailto:ben@builtin.co.nz) or 0800 BUILTIN.

# PRIMUS TRADE ONLY DEALS



Primus Sink Mixer PMX1



Primus Basin Mixer PMB5



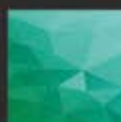
Primus Shower Mixer PSM5



Primus Slide Shower PSL8

Tapware and slide shower suitable for all water pressures

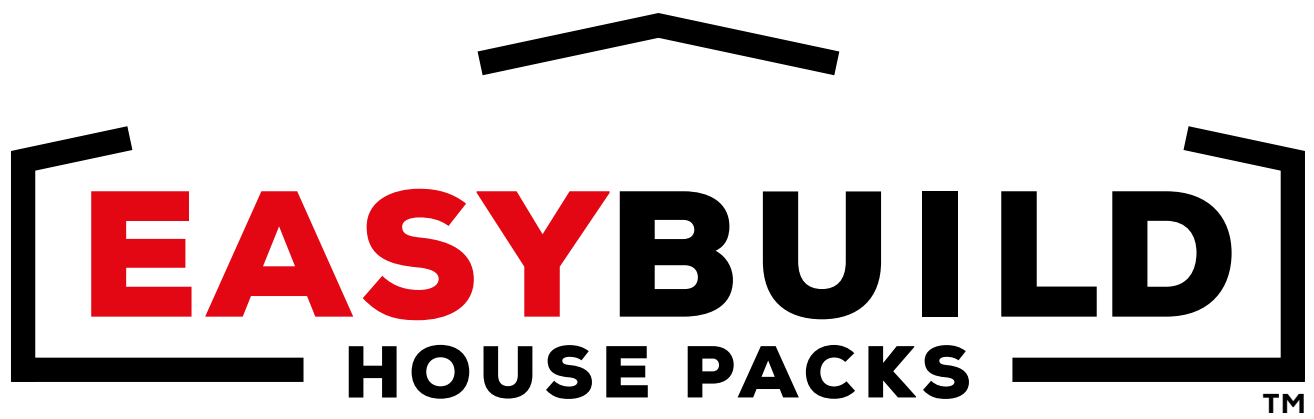
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Basin and Shower Mixer  
and get the Slide Shower for  
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# NORTON

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# CUT AND GRINDING IT ALL

Less down time  
Less hassle  
More possibilities



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### Multi Material Cutting or Grinding Wheels

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#66252811008 C30P 125 x 3.0 x 22.23mm T27 **\$7.00**

- Ultra-thin cutting or grinding wheels
- For cutting or grinding masonry, stainless, metal, aluminium, PVC, ceramic and more
- Special bond & grain formulation
- Available in 100mm, 115mm and 125mm



**NORTON**  
SAINT-GOBAIN  
**MULTI  
MATERIAL**

### Sanding Belts

#66623381620 P40 **\$11.75**  
#66623381628 P80 **\$10.75**  
#66623381787 P120 **\$9.75**

- 100mm x 610mm
- For most general purpose metal grinding and wood working applications
- Made from X-Weight cloth and durable aluminium oxide abrasive
- Handy 2-pack



**NORTON**  
SAINT-GOBAIN

### Master Painters Sandpaper Roll

#66623322006 G216 P40 **\$32.50**  
#66623322008 H212 P80 **\$25.50**  
#66623322012 H212 P180 **\$24.50**

- 115mm x 10m
- Open coat/resistant to clogging
- Holds form for block sanding
- Applications: bare & painted timber, plaster, fibre glass, metal
- Available in P40, P60, P80, P100, P120, P150, P180



**NORTON**  
SAINT-GOBAIN

### Diamond Grinding Cup Wheel

#70184601161 **\$65.00**

- 100mm x 16/22.2mm
- For use with angle grinders
- For grinding and re-surfacing of concrete, bricks and natural stone
- Ideal for removal of paint, epoxy glues and tile adhesives



**NORTON**  
SAINT-GOBAIN  
**ESSENTIAL**





# Do the authorities have to be fair to you?

## What protections do tradesmen and consultants working in the construction industry have against tribunals and regulatory bodies abusing their power?

Tradesmen and consultants working in the construction industry are subject to the law of the land like everyone else. So they can be prosecuted by the Police, they can be sued by the general public, and they can be told what to do (or more often, what not to do) by various government departments or agencies, and by councils. Not surprisingly, in a first-world country such as ours there are safeguards built into our justice system to ensure the law is applied against us consistently, transparently, impartially, and fairly. By and large, the odds are loaded in the defendant's favour.

**There are safeguards built into our justice system to ensure the law is applied against us consistently, transparently, impartially, and fairly.**

Sometimes, though, we encounter situations where someone other than the courts has the right to tell us what to do, and to penalise us if we disobey them. Two common examples are the Disputes Tribunals (our small claims courts) and the Weathertight Homes Tribunal (a specialist tribunal set up to resolve leaky building claims).

Then there are the bodies that regulate our profession or calling – such as the Institution of Professional Engineers New Zealand, the Association of Consulting Engineers New Zealand, the New Zealand Institute of Architects, the Plumbers, Gasfitters and Drainlayers Board, the Electrical Workers Registration Board, and the Building Practitioners Board. Finally, there are specialist dispute-resolution professionals such as arbitrators and adjudicators who are given power to make an award against you which is binding and has the force of law.

When you get down to that level, there aren't the same legal safeguards as there are in the court system, so there is a risk that these people could abuse their power, and make a ruling out of spite, prejudice, self-interest, or laziness. What protections do you have against that?

### **Judicial Review and Natural Justice**

There are two main protections. The first is that you can usually have their decisions second-guessed by the courts, under a procedure known as "judicial review", if you think they have behaved unfairly or unreasonably. The second is that they are usually

required to comply with a body of rules known as the “principles of natural justice”.

For example, if you are an arbitrator, and the arbitration is being held in New Zealand, then the Arbitration Act 1996 says that an arbitral award may be set aside by the High Court if a breach of the rules of natural justice occurred. Similarly, recognition or enforcement of an arbitral award, irrespective of the country in which it was made, may be refused on the same grounds. Under the Building Act 2004, if you are asking the Government to review a Council decision using the process known as Determination, then the Government must comply with the principles of natural justice.

**There is a risk that people could abuse their power, and make a ruling out of spite, prejudice, self-interest, or laziness. What protections do you have against that?**

Under the same Act, the Building Practitioners Board and the Registrar of Licensed Building Practitioners when they are looking at disciplining a licensed builder, must comply with those same principles. And finally, under the Construction Contracts Act 2002 when you are having a dispute resolved using the adjudication process, then the adjudicator must comply with them as well.

The New Zealand Bill of Rights Act 1990 goes even further. It says that every person has the right to the observance of the principles of natural justice by any tribunal or other public authority which has the power to make a determination in respect of that person's rights, obligations, or interests protected or recognised by law. And every person whose rights, obligations, or interests protected or recognised by law have been affected by a determination of any tribunal or other public authority has the right to apply, in accordance with law, for judicial review of that determination.

**The judge or decision-maker must be disinterested in the outcome, and unbiased. In other words, he or she must be strictly neutral.**

### **Natural Justice Defined**

So what exactly are the principles of natural justice? There are only two of them. The first is that when you are being judged, you must be given adequate

notice of the hearing and an adequate opportunity to present your case. This can be summarised as the right to a fair trial. The second is that the judge or decision-maker must be disinterested in the outcome, and unbiased. In other words, he or she must be strictly neutral.

**You can't complain simply because you didn't win. There has to have been some unfairness in the process.**

The right to a fair trial means that you must be given prior notice of all the allegations that are going to be made against you, a fair opportunity to answer those allegations, and the opportunity to present your case properly. You are not allowed to be ambushed or to have allegations or evidence sprung on you without a chance to prepare for them in advance. And you must be given an opportunity to answer every allegation, even if they seem to be a “no-brainer”.

The rule against bias, on the other hand, disqualifies the decision-maker from hearing the case in three distinct situations. The first is where you would automatically assume that he or she has a personal interest in the outcome (e.g. he or she is a major shareholder in one of the parties, and stands to benefit financially if they win). The second is if he or she is actually prejudiced against one of the parties or actually champions the other, right from the outset. The third is where it is reasonably obvious that the decision-maker is not impartial. For example, where their statements or conduct suggest they have predetermined views or personal hostility towards one of the parties or favouritism towards another.

There have been plenty of cases where decisions have been successfully set aside because of a breach of the principles of natural justice, whether those decisions were made by arbitrators, adjudicators under the Construction Contracts Act, or the Building Practitioners Board. Remember, however, that you can't complain simply because you didn't win. There has to have been some unfairness in the process by which that conclusion was arrived at, before you can challenge the decision on the basis of natural justice.

### **By Geoff Hardy**

Auckland Commercial Lawyer



Geoff Hardy has 42 years' experience as a commercial lawyer and heads up the construction law team at the Auckland firm “Martelli McKegg”. He guarantees personal attention to new clients at competitive rates. His phone number is (09) 379 0700, fax (09) 309 4112, and e-mail [geoff@martellimckegg.co.nz](mailto:geoff@martellimckegg.co.nz). This article is not intended to be relied upon as legal advice.



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# FASTENERS

## 10g x 80mm Purlin Screws

#PUR1080BP500

- The ideal fastener for fixing purlins to rafters or trusses
- Meets and exceeds national kN pull out standards
- T17 self-drilling tip
- Durable Blue Ruspert finish
- Countersunk, Square Drive



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## 8g x 32mm Surefast Wood Screws

#SFQX832J

- Multi-purpose screw can be used in a wide variety of applications including fixing timbers, plastics, composite sheet, plywood and Bitumen membrane fixing.
- 304 Stainless Steel for coastal applications.
- Countersunk, Square Drive



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FASTENERS

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PRICE!**

# NEW PRODUCT

## Expol PodSticks

**The new generation mesh support for Pod floors**

EXPOL PodSticks are designed to be used in conjunction with Pod Floor Systems replacing mesh chairs.

PodSticks are simple to use: drop the PodStick on the pod, kick the PodStick into position, and stomp the Podstick to secure it.

They are designed to be placed on top of the Tuff Pods to support the reinforcing mesh and create a rock-solid platform for the mesh to sit on prior to pouring the slab.

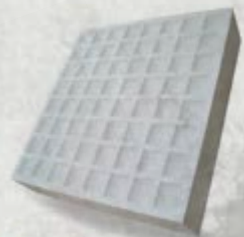
**PodSticks have many benefits:**

- Provide a larger support footprint and won't punch through the pods.
- Help eliminate back injury through their simple drop, kick and stomp. No bending down.
- They are cost effective – only one PodStick required per pod.
- Fast and easy to install, saving time.



**FREE  
PODSTICKS\***

Buy your EXPOL Tuff Pods from ITM between 1st August 2017 and 31st August 2017 and you'll receive:  
**1 FREE PODSTICK per EXPOL Tuff Pod.**



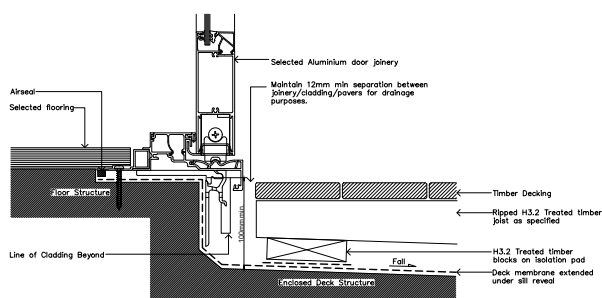
\*Terms and conditions apply: This offer can only be redeemed once per customer to a maximum of 300 PodSticks. You must buy EXPOL Tuff Pods to redeem this offer. The offer is buy EXPOL Tuff Pod(s) from an ITM store and receive one free PodStick per EXPOL Tuff Pod bought. This offer can only be redeemed against EXPOL Tuff Pods. It cannot be redeemed against any other make or brand of pod. To redeem this offer your ITM store will request the PodSticks offer when they order your EXPOL Tuff Pods. The PodSticks will be delivered with your EXPOL Tuff Pods. This offer runs from 1 August 2017 to 31st August 2017. This offer is not exchangeable for cash. This offer cannot be used in conjunction with any other EXPOL promotion. This offer cannot be used with any other Tuff Pod discounted or negotiated prices. This offer is only available at ITM stores and delivery is only in New Zealand. EXPOL reserves the right to stop, extend or change this offer at any stage of the promotion.

# How to build a floating timber deck

Floating timber decks have become necessary over exterior membrane decks since an amendment to the Building Code Clause E2 External Moisture came into effect in 2005.



Page 54 of Clause E2 says: "Raised removable surfaces of tiles, pavers or timber shall be provided over the underlying weathertight enclosed deck surface for cleaning and maintenance". The diagram below of Level Thresholds for Enclosed Decks was provided on page 55:



Drawing as found in Building Code Compliance Document E2

## Key points to note:

- ❑ A waterproof membrane must run under the joinery and down 100mm to deck surface.
- ❑ The membrane deck surface will typically fall away from the building at 1:40 (1.5 degrees), however Auckland Council usually requires 1:30 (2 degrees) of fall. Check with your council.
- ❑ Timber joists that support the decking must be supported by an isolation pad to allow water to flow freely under the joist.
- ❑ Timber deck structure must be H3.2 treated minimum.

- ❑ A 12mm gap must be maintained around the perimeter of the floated timber deck.

## A more efficient way to build a deck

Cutting timber packers under each joist is labour intensive and problematic. Adding to this, Clause E2 shows an additional layer of membrane placed under each packer. However, when using small packers in this way indentations into sheet based membranes can occur.



The better way to build a floating timber deck is to use specifically designed plastic pedestals to support the timber joists. Pedestals come in two basic designs.

### 1. Static height pedestal

A static height pedestal, such as the Nuralite Nurapad, is designed to support a timber joist which follows the fall of the membrane deck or is ripped to the fall of the membrane deck - creating a level trafficable surface. Joists are placed 400mm apart with the pedestal supporting the joist over the membrane. Typically a 50 x 100 joist will need to be supported at 600mm centres by the static height pedestal. If the joist is ripped to the fall of the deck, the thinner the rip the closer together the pedestals will need to be. A good guide is to move the static height pedestal 100mm closer together for every 20mm ripped from the joist. Remember that any H3.2 treated timber that is cut should have the cut edge treated with an appropriate treatment.



## 2. Adjustable Pedestal

Non-levelling deck pedestals have a tendency to ride up and point load the membrane, however pedestals that can be levelled, such as the self-levelling Nurajack pedestal ensure an even distribution of load onto the membrane without point loading. Joists are still 400mm apart and the adjustable pedestals need to be at 600mm centres along a 50 x 100mm joist. If thinner joists are to be used (such as a 45 x 75mm) the adjustable pedestal should be moved closer together as per the above scale.

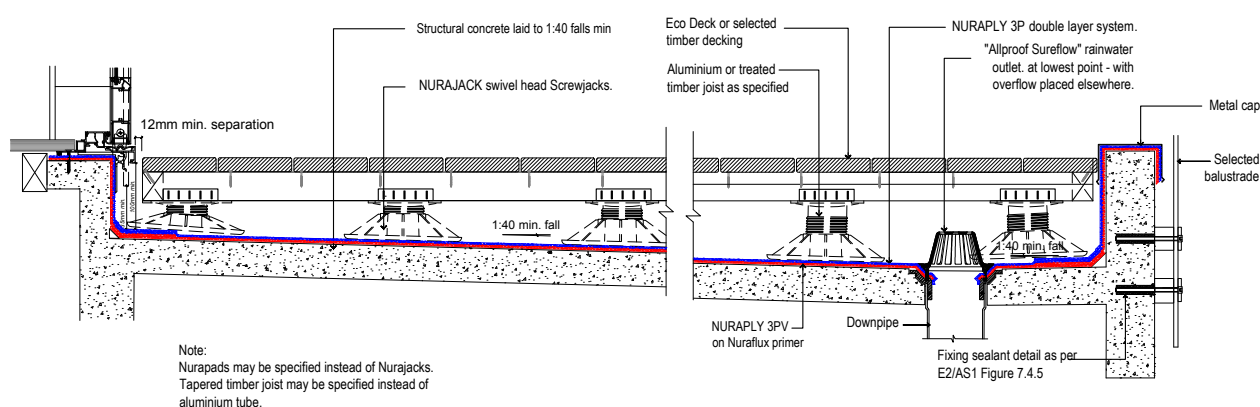
### Advantages of adjustable pedestals

The advantage of adjustable pedestals is the time savings on-site. To install, set up a joist using the smallest pedestal at the shallowest end and using

the largest pedestal at the deepest end of the deck, adjusting both to create a level joist. Then at 600mm centres screwing additional adjustable pedestals and adjusting until they support the joist – ensuring the joist stays level. Repeat for each joist 400mm apart, minimal nogging (if any) is required. Screwing the timber decking in place ensures the decking is removeable and the membrane is always accessible.

In many instances, to fit a floating deck level with a door threshold, using a combination of static height and adjustable pedestals is required.

The finished deck surface is level, raised above the membrane, allows water to drain effectively and meets the Building Code Clause E2.



Acceptable solution utilising Nurapad and Nurajacks



ITM is now a distributor of the Nuralite Nurajack and Nurapad range of pedestals. If you have any questions about floated deck design, talk to your ITM sales rep or visit [www.nurajack.co.nz](http://www.nurajack.co.nz).



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# Being safe at lower heights

Height safety equipment has become an everyday tool on most building sites. The industry has adapted well to the increased safety requirements over the recent years. However, the risks of working at low heights should not be forgotten.

There is some real Kiwi ingenuity to be found where work platforms are created with pallets, paint buckets or wooden saw stools. This can lead to serious injury due to awkward falls from low height and is highly frowned upon by WorkSafe.

But there is no need to get a full scaffold set up if you only need to stand at 650mm to 1m. The Staffy Low Rider trestle system with adjustable legs might just be the answer.

## Low Rider Trestle System SLR01



- ☐ 3-in-1 - switch from saw stool to trestle to scaffold in seconds
- ☐ 300kg load rated alloy construction
- ☐ Saw stool use by screwing timber to supplied top caps
- ☐ Use with own planks or Staffy mobile Tough Tower parts
- ☐ Height adjustable from 650mm to 1050mm
- ☐ Simply snap on handrails when required

The two alloy top caps allow it to be used as a saw stool. Need a work platform? Simply place your own timber planks on it or simply use parts like platforms and handrails from the Staffy mobile Tough Tower range and span it across the length of your work area.

## Starter and Bay Packs also available



Starter Pack  
SLRSpack2m 2m long  
SLRSpack3m 3m long



Bay Pack  
SLRBpack2m 2m Long  
SLRBpack3m 3m long



**FREE!**  
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# FLAT PACK KITCHENS

## QUALITY KITCHENS DESIGNED FOR THE TRADE

### The ready-to-assemble kitchen range with design flexibility

Creating a modern designer kitchen for your next project is easy with UNO Kitchens.

#### WHY CHOOSE UNO KITCHENS?

- **FLEXIBILITY**  
Flexi-width cabinets available within the range at no additional cost.
- **CHOICE**  
12 standard, 4 wood grain & 6 ultra-gloss colours available across a large range of standard cabinets sizes plus the flexi-width cabinets.
- **ACCESSIBLE**  
Made to order & delivered within 7-10 working days, this will help you manage your build & installation schedule.
- **QUALITY**  
UNO Kitchens are made from moisture resistant New Zealand made board with 16mm solid back construction, soft close hinges on doors as standard.
- **EASY**  
Each carton contains cabinet, doors, handles, hardware and instructions. Makes assembly and installation quick and easy.



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immaginé

#### ULTRA-GLOSS DOOR RANGE

WHITE

BLACK

CREAM

STARLITE

CHAMPAGNE  
METALLIC

CHARCOAL  
METALLIC



All UNO Kitchens are New Zealand made and come with a 5-year manufacturing warranty.

# WARDROBE ORGANISERS

### Designed for the trade

ITM can now supply the shelves, drawers and rails for all of the wardrobes in your new build or renovation.

These are custom made to fit your wardrobe, supplied flat pack and are easily assembled and installed.

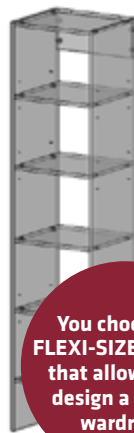
Choose from the standard designs shown below, or create your own flexible units.

#### Wall Range - (Popular designs)

Flexi-width  
600 to 1700

Flexi-width  
900 to 2700

Flexi-width  
900 to 2400



You choose the FLEXI-SIZE cabinets that allow you to design a custom wardrobe.

#### THE FLEXIBLE WARDROBE SYSTEM

#### Corner Ideas



#### Floor Range - (Popular designs)

Flexi-width  
600 to 1700

Flexi-width  
1300 to 3400

Flexi-width  
1000 to 2700



### Why choose UNO Wardrobes?

- ✓ **Flexible Size** You chose the FLEXI-SIZE of your wardrobe cabinets.
- ✓ **Flexible Range** Wall hung or floor standing.
- ✓ **Flexible Colours** Choose from White Embossed, Essential Range, Essential Woodgrains or ask about 100 other New Zealand colours.
- ✓ **Quality Materials** Using 16mm Moisture resistant melamine with 2mm PVC edge.
- ✓ **Made in New Zealand** in 7 working days.



*A Mako charging in doesn't look that big when looking through the lens, but when you look past the camera you get an instant appreciation of your situation.*



30

FISHING

## Keeping it real

**To make fishing exciting to the masses you need to communicate to them how good it is to be there, take them from the armchair to the game chair.**

As anyone who's caught a fish knows, there is no substitute for being there and experiencing the power of a big fish transmit through the line. So, to satisfy an audience of keen fishers we show them something most of them haven't seen or experienced before. We get underwater and shoot some film. The trouble is getting cameras close to, and under the water – it's not always easy. Moving boats, spooky fish and dangerous situations, are just some of the reasons why TV professionals told me what I wanted to film was unachievable.

### Thinking like a fisherman

I'm a fisherman that makes a TV show, rather than a TV producer making a fishing show, so what I lack in technical television knowledge and smooth onscreen presence, I try to make up for by getting our cameras in places to get those 'money shots'. Setting out to prove all the nay-sayers wrong, I thought like a fisherman, and concentrated on attracting the fish to the cameras, both manned and unmanned, rather than taking the cameras to the fish.



**Lots of burly and hours of waiting, but getting a shot of a 20lb snapper take a live bait on the surface was worth it.**

### Trial and error

So, in this quest to capture the money shots (bites on baits, lures, teasers and predatory fish preying on baitfish – that sort of stuff), we experimented with attaching live baits and teasers to cameras, even strapping fish to my arms and covering myself with tuna oil to get sharks interested (that one almost ended in tears). While recording the footage, I started seeing things plainly unfold before my eyes that I had only ever caught a fleeting glance of before from the surface.

And the way I see it, if I'm amazed, chances are most fishers out there will be too.

Till then  
Keep 'em tight,

Matt



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# SMOKE ALARMS



## 10-year Photoelectric Smoke Alarm

#CAV10

- 10-year long-life Duracell battery
- AS3786 certified, NZ Building Code and Residential Tenancies Act compliant
- Quick and easy smart clip ceiling mechanism for installation
- Aesthetically pleasing
- Audio alert output of 85 dB(A) at 3 metres
- Intelligent test and 10-minute hush button

CAVIUS

**\$37**  
EXCL GST



## Wireless Family Photoelectric Smoke Alarm

#CAV5WF

- 5-year long-life Duracell Battery
- Connects with all CAVIUS Wireless Family alarms – when one alarm sounds, they will all sound
- AS3786 certified and NZ Building Code Compliant
- Quick and easy smart clip ceiling mechanism for installation
- Audio alert output of 85 dB(A) at 3 metres
- Intelligent test and 10-minute hush button

CAVIUS

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## Wireless Family Thermal Heat Alarm

#CAVTH5WF

- Designed for the kitchen, laundry, garage, and workshop
- Connects with all CAVIUS Wireless Family alarms – when one alarm sounds, they will all sound
- Detects a rapid & constant increase in heat
- 5-year long-life Duracell Battery
- Quick and simple to install and set up
- Audio alert output of 85 dB(A) at 3 metres

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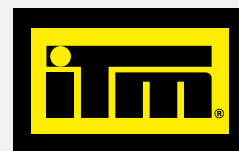
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