

# BUILDING BUSINESS

THE LATEST NEWS FROM YOUR BUILDING SUPPLIES SPECIALIST

ISSUE 65: FEBRUARY 2016



## 2 HEALTH AND SAFETY REFORM

Are you informed about the changes to be introduced in April?

## 15 RECORDS OF WORK MYTHS BUSTED

Can you withhold one? Who needs to complete one?



READING BUILDING BUSINESS WILL CONTRIBUTE TOWARDS YOUR LBP SKILLS MAINTENANCE REQUIREMENT. ENSURE YOU LOG THIS IN YOUR DIARY TODAY. FEBRUARY 2016.



"We'll see you right"



# HEALTH AND SAFETY REFORM

## Certified Builders Association prepares you for April changes.

Changes introduced by the Health and Safety at Work Act 2015 will affect every work place in New Zealand later this year - are you informed?

WorkSafe New Zealand have joined with Certified Builders to deliver an informative round of educational ToolBox Seminars. These run from February to April throughout New Zealand and are open to all trades.

These changes come into force on April 4th 2016 and will affect builders and sub-trades equally. It will no longer be about sub-contractors playing follow the leader. The intent of the Act is about shared responsibility. WorkSafe will show you how it's less about the paperwork and more about capturing "the doing".

Do you find health and safety costs too much, or there's not enough time to plough through the paper trail? Through working examples, WorkSafe will demonstrate how to meet the intent of the Act, by simple but effective teamwork with sub-contractors, employees and workers. There is new terminology with each layer of these responsibilities. WorkSafe will break this down into 'builders speak' so tradies can understand and implement changes on site before April.

**Reserve your seat by visiting [www.certified.co.nz](http://www.certified.co.nz) to RSVP.** See page 4 for a list of dates and venues.



**NEW ZEALAND'S  
MOST QUALIFIED  
BUILDERS**

**WORKSAFE**  
NEW ZEALAND | KŌHĪ HAUHARU  
AOTEAROA

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# COMING ACROSS ASBESTOS?

**Are you running a business with workers who remove asbestos or asbestos containing material (ACM)? This year regulations are changing for asbestos-related work.**

Asbestos regulations are being updated to bring New Zealand into line with other countries. With more than 170 New Zealand workers dying each year from asbestos-related diseases, our work practices need to improve.

Under the new regulations, coming in on April 4th, a licence is required to remove more than 10m<sup>2</sup> of non-friable (bonded) asbestos or ACM in one job, or any amount of friable asbestos. The licence will be issued by government health and safety agency WorkSafe New Zealand.

## NEW NATIONWIDE LICENSING SYSTEM FOR ASBESTOS REMOVAL

The new licensing system for asbestos removal is aimed at ensuring people removing asbestos have the necessary skills and experience to keep themselves, and others, safe.

### WHAT DO I NEED TO DO?

If your business is likely to require an asbestos removal licence it's a good idea to register your interest with WorkSafe.

NEW LICENCES	WHAT ASBESTOS CAN BE REMOVED?	WHO WILL NEED THIS LICENCE?
<b>CLASS A</b>	Any type or quantity of asbestos or ACM, including: - Any amount of friable asbestos or ACM - Any amount of asbestos contaminated dust or debris (ACD) Any amount of non-friable asbestos or ACM.	This is the licence you will need if you are removing any amount of friable (powdery or has potential to become powdery) asbestos.
<b>CLASS B</b>	Any amount of non-friable asbestos or ACM.  ACD associated with removing any amount of non-friable asbestos or ACM.	This is the licence you will need if you are removing more than 10m <sup>2</sup> asbestos.
<b>NO LICENCE REQUIRED</b>	Up to and including 10m <sup>2</sup> of non-friable asbestos or ACM, cumulatively over the course of the removal project for the site.  ACD that is: - associated with removing 10m <sup>2</sup> or less of non-friable asbestos or ACM. - and any associated minor ACD.	



**You can register online, and find more information on changes to work involving asbestos, at <http://business.govt.nz/worksafe/asbestos>**

### I HAVE A CERTIFICATE OF COMPETENCE FOR RESTRICTED ASBESTOS WORK. WHAT DO I NEED TO DO?

If you have a current Certificate of Competence, you don't need to do anything yet. Your certificate will allow you to work under the new asbestos regulations (under the categories listed on your certificate), until your certificate expires. At that point you will need to apply for one of the new licences or to work on another business's licence.



Note: All removal work needs to be performed safely. Suitable controls need to be in place to ensure that the risks of asbestos have been minimised. These include correct use of Personal Protective Equipment (PPE), Respiratory Protective Equipment (RPE), safe methods of work, decontamination facilities and the disposal of all asbestos waste in an approved landfill.

**Find a ToolBox Seminar in your region:** Dates and locations for the ToolBox Seminars across the country are listed below - with most seminars starting at either 5.30pm or 6.30pm.

NORTH ISLAND						
DATE	DAY	TIME	LOCATION	VENUE	ADDRESS	
FEBRUARY						
09 February	Tuesday	6:30pm Light Refreshments 7pm Start	Cambridge	Cambridge Cosmopolitan Club	88-89 Burns St, Cambridge	
10 February	Wednesday	5:30pm Light Refreshments 6pm Start	Whakatane	Whakatane Fire Station	Whakatane Fire Station	
15 February	Monday	6:30pm Light Refreshments 7pm Start	Rotorua	The Commercial Traveller's Club	25 Moncur Drive	
16 February	Tuesday	6:30pm Light Refreshments 7pm Start	Tauranga	ASB Arena	81 Truman Lane, Mount Maunganui	
22 February	Monday	6:30pm Light Refreshments 7pm Start	Whangaparaoa	Red Beach SLSC	Ngapara Street, Red Beach	
23 February	Tuesday	6:30pm Light Refreshments 7pm Start	Wellsford	The Owl	120 Rodney Street, Wellsford	
29 February	Monday	5:30pm Light Refreshments 6pm Start	Masterton	Masterton Cosmopolitan Club	398 Queens Street, Masterton	
MARCH						
01 March	Tuesday	5:30pm Light Refreshments 6pm Start	Foxton	Foxton Beach Fire Station	Dawick Street, Foxton	
07 March	Monday	5:30pm Light Refreshments 6pm Start	Gisborne	Gisborne Tatapoutu Sports Fishing Club	No. 2 Wharf Shed, The Esplanade	
08 March	Tuesday	6:30pm Light Refreshments 7pm Start	Napier	Taradale RSA	156 Gloucester Street Taradale	
14 March	Monday	6:30pm Light Refreshments 7pm Start	Auckland	The Commerce Club	27/33 Ohinerau Street, Remuera	
15 March	Tuesday	6:30pm Light Refreshments 7pm Start	Auckland	The Backyard	31 Northcote Road, Northcote	
21 March	Monday	5:30pm Light Refreshments 6pm Start	Taupo	Cosmopolitan Club	5 Taniwha Street, Taupo	
22 March	Tuesday	6:30pm Light Refreshments 7pm Start	Hamilton	Flagstaff Club	Commodore Ave, Hamilton	
29 March	Tuesday	5:30pm Light Refreshments 6pm Start	Waiheke Island	Waiheke Island Rugby Club	The Pavilion Onetangi Sport Park O'Brien Rd	
30 March	Wednesday	5:30pm Light Refreshments 6pm Start	Whangarei	North Tec Whangarei	Gate 1 Learning Centre Raumanga Valley Rd	
31 March	Thursday	5:30pm Light Refreshments 6pm Start	Kerikeri	Kerikeri RSA	Next to Kerikeri Centre 37 Cobham Road	
APRIL						
04 April	Monday	5:30pm Light Refreshments 6pm Start	Palmerston North	Hotel Coachman	140 Fitzherbert Ave, Palmerston North	
05 April	Tuesday	6:30pm Light Refreshments 7pm Start	New Plymouth	The Ugly Duck	601 Devon Street East	
12 April	Tuesday	6:30pm Light Refreshments 7pm Start	Wellington	Petone Working Men's Club	47 Udy St, Petone	
13 April	Wednesday	6:30pm Light Refreshments 7pm Start	Waikanae	Waikanae Chartered Club	8 Elizabeth St, Waikanae	
SOUTH ISLAND						
DATE	DAY	TIME	LOCATION	VENUE	ADDRESS	
FEBRUARY						
09 February	Tuesday	5:30pm Light Refreshments 6pm Start	Greymouth	Kingsgate Hotel	32 Mawhera Quay, Greymouth	
10 February	Wednesday	5:30pm Light Refreshments 6pm Start	West Port	McManus Hotel	39 Palmerston St, Westport	
16 February	Tuesday	5:30pm Light Refreshments 6pm Start	Twizel	Twizel Combined Services Club	Ohau Road, Twizel	
17 February	Wednesday	5:30pm Light Refreshments 6pm Start	Timaru	Timaru Town & Country Club	99 Douglas Street, Highfield, Timaru	
23 February	Tuesday	5:30pm Light Refreshments 6pm Start	Christchurch	Hornby Working Men's Club	17 Carmen Road, Hornby	
29 February	Monday	5:30pm Light Refreshments 6pm Start	Queenstown	Queenstown Events Centre	Joe O'Connell Drive, Frankton	
MARCH						
01 March	Tuesday	5:30pm Light Refreshments 6pm Start	Wanaka	Lone Star Wanaka	50 Cardrona Valley Road, Wanaka	
08 March	Tuesday	5:30pm Light Refreshments 6pm Start	Dunedin	The Edgar Centre	116 Portsmouth Drive, Andersons Bay	
09 March	Wednesday	5:30pm Light Refreshments 6pm Start	Cromwell	Cromwell Town & Country Club	32 Melmore Terrace, Cromwell	
15 March	Tuesday	6:30pm Light Refreshments 7pm Start	Winton	Winton Middle Pub	232 Great North Road, Winton	
16 March	Wednesday	5:30pm Light Refreshments 6pm Start	Invercargill	Ascot Park Hotel	Corner Tay Street & Racecourse Road	
21 March	Monday	5:30pm Light Refreshments 6pm Start	Blenheim	Admirals Motor Lodge	161 Middle Renwick Road, Springlands	
22 March	Tuesday	5:30pm Light Refreshments 6pm Start	Nelson	Nelson Suburban Club	168 Tahunanui Drive, Nelson	
29 March	Tuesday	5:30pm Light Refreshments 6pm Start	Christchurch	Rangiora Golf Club	Golf Links Road, Rangiora	

See page 2 for more details.

# POWER TOOLS

## 18V Brushless Rotary Hammer with Hepa filter

- SDS plus shank type
- Efficient brushless DC motor
- Versatile 3 mode operation: hammer/hammer with rotation/rotation
- Excellent manoeuvrability
- Safety clutch
- Included accessories: Side handle, depth gauge, quick change drill chuck

#DHR243RMEV  
2 x 4.0Ah batteries and rapid charger  
**\$779** EXCL GST

#DHR243ZV  
No batteries, skin only  
**\$449** EXCL GST



**Makita**

## 125mm Angle Grinder

- 1,400 watt
  - Super Joint System II developed for effective vibration absorption
  - Ergonomic barrel grip
- #GA5040C

**BONUS**  
Diamond Blade  
D-44395



**\$219** EXCL GST

**Makita**

## 125mm 18V Brushless Grinder

- Paddle switch
  - Brushless DC motor
  - Kick-back detection - shuts tool off if jamming occurs
  - Battery fuel gauge
  - Skin only, battery not included
- #DGA505Z



**\$299** EXCL GST

**Makita**

## 18V LXT 5.0Ah Brushless 2 Piece Kit

- DHP481 Cordless Drill/Driver
  - DTD145 Cordless Impact Driver
  - 2 x 5.0Ah batteries, charger, carry case
- #DLX2055T



**\$785** EXCL GST

**Makita**

## 32mm Rotary Hammer

- 850 watt
  - SDS-Plus push+go chuck\*
  - 3-mode combination hammer
  - 24 positions for chiselling mode
  - Torque limiter protects operator in event of jamming
- #HR3200C

\*Drill bit not included



**\$799** EXCL GST

**Makita**

## 125mm Concrete Planer

- 1,400 watt
  - 10,000 rpm
  - Simple dust bag removal
  - Easy operation large trigger switch
- #PC5000C



**\$499** EXCL GST

**Makita**

## 350mm Power Cutter

- 73cc engine
  - Designed for continuous heavy duty use
  - Optimum vibration damping system for reduction of fatigue
  - Only weighs 10kg
- #DPC7331

**BONUS**  
GA9020  
9" Angle Grinder



**\$1649** EXCL GST

**Makita**

**FREE RUGBY SHORTS**



When you spend over \$250 on any of these products\*

\* Limit of one per account. Strictly while stocks last.

GIB® PLASTERBOARD SYSTEMS

# BEST PRACTICE SERIES

## CEILING INSTALLATION

For best practice, and to avoid time-consuming and costly call-backs, Winstone Wallboards recommends the following best practice guidelines for quality ceiling installation. Framing dimensions and structured performance must comply with the requirements of NZS 3604:2011.

For full information, please refer to the latest edition of the GIB® Site Guide. Alternatively, contact the GIB® Helpline on 0800 100 442 during business hours.

For free on-site training, book at [gib.co.nz/skills-maintenance-request-form/](http://gib.co.nz/skills-maintenance-request-form/) or call the GIB® Helpline.



**TRIED. TRUSTED. TRUE.**  
GIB® is a registered trademark.

## 7 THINGS TO CONSIDER WHEN INSTALLING A QUALITY CEILING.

These recommendations are not a substitute for the full information contained in relevant GIB® technical literature.

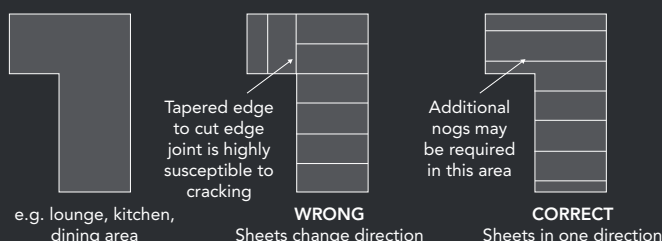
### STEPS

#### 1 Battens

The use of GIB® Rondo® metal ceiling battens is recommended to achieve a stable substrate.

#### 2 Batten installation

It is important that all ceiling battens run the same way within a ceiling plane. Although this may require some additional nogging to be installed, it ensures that all sheets' edge joints will be running in the same direction.



#### 3 Plasterboard

Thicker 13mm GIB® Standard plasterboard is more rigid and less prone to sagging than 10mm plasterboard in a ceiling application. It is recommended that 13mm GIB® Standard plasterboard is supported at no more than 600mm centres, resulting in less battens being used for the job and less fasteners, meaning you will achieve an overall smoother finish. When batten, labour and board costs are taken into account, this system is cost effective as well as being the least prone to finishing defects.

Note: 10mm plasterboard will sag significantly more than the equivalent 13mm plasterboard on the same batten spacing. Given the wet humid conditions prevalent across many parts of New Zealand ceiling sag can be amplified. To meet the high expectations of the New Zealand market, Winstone Wallboards ceiling recommendation is 10mm plasterboard at 450mm batten spacing and 13mm plasterboard at 600mm batten spacing.

#### 4 Point loading

To limit sag in GIB® plasterboard ceilings, long term uniformly distributed loads (e.g. fixtures and fittings and/or overlaid insulation) should not exceed 3kg/m<sup>2</sup> unless independently supported.

#### 5 Back blocking

Back blocking strengthens and stabilises joints between GIB® plasterboard sheets. It is primarily used to reinforce the point where butt joints occur but is also recommended for sheet edge joints.

#### 6 Fixing

All ceiling sheets must be fixed at right angles to the ceiling framing.

#### 7 Control joints

Install control joints in large open ceiling planes exceeding 12m or points where cracking is often predictable, such as at changes in direction.



# WHAT DO YOU NEED TO KNOW FOR YEAR-END?

**For many of us, March 31 is the end of our financial year. Given the time of year, it can sneak up on us very quickly, leaving you with a lot of work to do before you can even consider sending your books off to your accountant.**

## BE PREPARED

With the multitude of tax payments due in the two months following March 31, it is crucial that you have a good handle on how your business has gone in the financial year.

The end of the financial year provides the perfect opportunity to speak to your accountant about the issue of tax, in particular whether you have paid enough. As the IRD charges 9.21% interest on any terminal tax, amounts higher than \$2,500 for companies, it is critical to ensure that you have paid enough tax before it is too late. For those who are operating as a sole trader or partnership in your first year of trading, a voluntary tax payment before March 31 can provide you with a much needed discount on any terminal tax payment that may be due.

## AVOID PENALTIES

The IRD charge penalties and interest for any non-payment on provisional tax dates where they deem payments should have been made. Therefore if you pay the full amount of provisional tax on May 7 that you should have paid during the year, the IRD will still charge non-payment penalties and use of money interest. A way to avoid this is to utilise a Tax Pooling system and 'purchase' your tax at a lower rate of interest in order to avoid these penalties. This is something you should discuss with your accountant, particularly if you operate in a seasonal industry, or if you have won contracts that have significantly increased your bottom line during the financial year.

## UNPAID INVOICES

Have you been having problems with collecting payments from some of your debtors during the year? If so, a quick review of your debtor ledger with a view to assessing the collectability of the debts is an important part of the year-end process.

The IRD allows for tax deductions of uncollectible amounts – or “bad debts” – only if they are removed from your debtor ledger before the end of the financial year. These removals may be reversed if the debt is in fact collected

unexpectedly at a later date. However, these recoveries need to be included as fully assessable income for tax purposes.

## TOOLS AND FIXED ASSETS

Does your fixed asset schedule include any tools that are broken, obsolete, have been replaced or stolen during the period? If so, these should be removed from your fixed asset schedules for which a tax deduction amounting to the written down value (cost less accumulated depreciation) can be claimed.

## BONUSES AND HOLIDAY PAY

Have you or do you plan to pay any bonuses for the 2016 financial year? Employee benefits such as holiday pay and bonuses owing at March 31 can be claimed for tax purposes if paid by June 2 (within 63 days of balance date). Bonuses must be finalised before March 31 in order to be claimed. Bonuses dependent on conditions satisfied after March 31 cannot be claimed.

While we've provided a number of areas to consider, there are many other areas that business owners need to focus on in the run-in to year-end. Balance date can approach very quickly, but by taking a step back from the tools and looking at the numbers, you can save yourself a lot of time and money.



If you do have questions about the end of the financial year, please contact Peter van der Heijden at [peter.vdh@crowehorwath.co.nz](mailto:peter.vdh@crowehorwath.co.nz); or contact your local Crowe Horwath advisor.

For the contact details of your local office, please visit: [www.crowehorwath.co.nz/locations](http://www.crowehorwath.co.nz/locations) or phone 0800 494 569.

# CONCRETE TOOLS

## 140L Electric Concrete Mixer

- Wheelbarrow type mixer comes with stand
  - Removable stand for transporting
  - Direct drive motor turns at 23rpm
- #MAN17035



**\$499** EXCL GST

**Manners**  
BUILDING PRODUCTS

## Multi-line Laser Level Set

- Suitable for indoor and outdoor applications
  - Wide beam angle for maximum coverage
  - Auto levelling with out-of-level warning
  - Operating range: 18m indoors/up to 50m outdoors with detector (LKLDP50 not included)
  - Includes multi-line laser, bracket, square, tripod, carry case and batteries
- #LKCL4SET



**\$319** EXCL GST

**Lufkin**

## Ezipour Xtreme Wheelbarrow

- Flat-free Smart-Tyre
  - 'Twist' front stays
  - 72 Litres
  - No-rust frame
  - Superior pouring
  - 5 year warranty
- #1390050



**\$189** EXCL GST

**GREENS**  
EQUIPMENT

## TradePro Xtreme Wheelbarrow

- Flat-free Smart-Tyre
  - 90 Litres
  - 'Twist' front stays
  - Full galvanised rust-free frame
  - 'Control-pour' spout
  - 6 year warranty
- #1390068

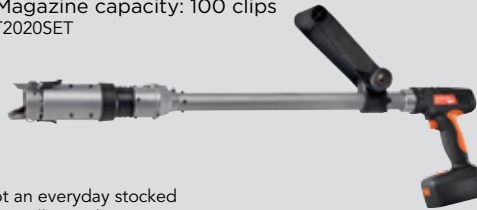


**\$225** EXCL GST

**GREENS**  
EQUIPMENT

## Rebar Pro

- An innovative Rebar tying system
  - 3 times faster than manual tying
  - 18 Volt 3.0Ah Li-ion battery
  - Magazine capacity: 100 clips
- #TT2020SET



\*not an everyday stocked item, call to order.

**\$2699** EXCL GST

**TyTecker**  
PREMIUM QUALITY PARTS

## TyTecker Clips

- Box of 600 clips
  - 12 cartridges of 50 clips
- #TTC30N14600



**\$99** EXCL GST

**TyTecker**  
PREMIUM QUALITY PARTS

## Low Velocity Powder Actuated Tool

- Auto piston return
  - Anti-vibration bumper
  - 10 nail magazine
  - For metal sheeting, brick ties, dry lining track, kick plate fixing and steel to steel
- #M371



**\$679** EXCL GST

**EXPANDET**

## 75mm Washered Single Pin

- Low Velocity
  - 75mm x 3.7mm
  - For use with Expandet M371 / Hilti DX460 F8 / Ramset P370 P390
  - Pack of 75
- #DPSR75W



**\$22** EXCL GST

**EXPANDET**

**FREE RUGBY SHORTS**



When you spend over \$250 on any of these products\*


\* Limit of one per account. Strictly while stocks last.

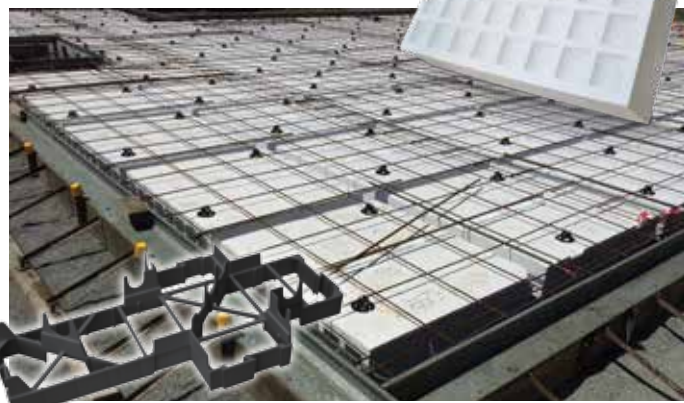
# POD FLOOR SYSTEMS

## Polystyrene Tuff Pods suitable for raft/floating floor slab systems.

With the building boom in full swing, pod floors have quickly become the predominant flooring system throughout the country. Expol manufactures pods in Auckland, Wellington, Blenheim & Christchurch with stock held strategically in other regions to ensure prompt service.

Expol manufactures three standard-size pods to suit most flooring systems.

PRODUCT OPTIONS & SIZES		Length (mm)	Width (mm)	Thickness (mm)
Expol Tuff Pods		1100	1100	220
		1100	1100	300
		1200	1200	200



The UniMax spacers are designed to create the standard 100mm ribs on a pod floor. And by simply clipping two of them together they will achieve any size thickening or edge beam required.

### UNIMAX SPACERS

The latest addition to the pod accessories range is the UniMax spacers. These spacers have been developed to provide flooring contractors with one spacer that does everything needed on a pod floor.

UniMax spacers have been welcomed into the industry and are quickly becoming the preferred spacer to use on pod floors. Some of the benefits include cost effectiveness, easier take-offs and on-site time savings.



# Something new to go with smoko



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FREE app for  
20 MiTek Fixings  
training videos



[www.mitek.nz.co.nz](http://www.mitek.nz.co.nz)

# THE WORLD'S SMALLEST SMOKE ALARM

**CAVIUS is the world's smallest Photoelectric Smoke Alarm, with some big features.**

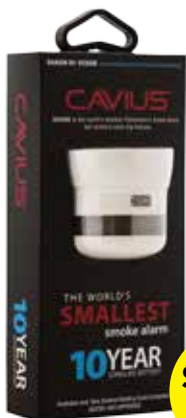
The aesthetically pleasing alarm has the following key features:

- 10 year long-life battery;
- Photoelectric;
- Penetrating sound of 85dB(A) at 3 metres;
- 10 minute pause option;
- 30 day low battery warning;
- Uses the unique "smart clip" ceiling mechanism for installation;
- NZ Building Code compliance.

The tiny alarm, as shown in the actual size photo above, is a collaboration between CAVIUS Nano, a New Zealand-based company founded by Peter Smith of Papamoa, and CAVIUS APS, the Danish parent company and design team.

Smith says smoke alarms have never been considered fashionable before. "But the Danes excel in that area. They have transformed the common domestic smoke alarm into a designer product - without the designer price tag."

Since its launch, CAVIUS has sold over 1.5 million smoke alarms worldwide. They are more affordable long term than the cheapest smoke alarms on the New Zealand market as there is no battery replacement cost every year.



"The cost of buying new batteries each time Daylight Saving rolls around adds up to \$120 over 10 years," Smith says, "Plus there is always the issue of taking the old one down with the best intentions of replacing the battery but never actually doing so."

**\$45**  
EXCL GST

CAVIUS Smoke Alarm  
#CAV10



Actual Size

## IONISED OR PHOTOELECTRIC. WHICH TYPE IS BEST?

Within the fire protection and prevention industry, it is recognised that photoelectric smoke alarms are significantly better at detecting smouldering fires (which are more common in households), whereas ionisation sensors respond marginally faster to flaming fires.

## PHOTOELECTRIC

A photoelectric smoke alarm's sensing chamber contains a light emitting diode and a light sensitive receiver. When smoke, or other by-products of combustion, fills this chamber the light beam is scattered and sets off the alarm. Photoelectric smoke alarms are suitable for living rooms, dining rooms, hallways and bedrooms. This is because these rooms often contain large pieces of furniture, such as sofas, chairs, and mattresses etc, which, while burning will create more smouldering smoke than intense flame and heat. However, photoelectric smoke alarms will recognise both fire stages.

This type of smoke alarm is now the internationally recommended solution for household use.

**THE NEW ZEALAND FIRE DEPARTMENT RECOMMENDS PHOTOELECTRIC SMOKE ALARMS AND LONG-LIFE BATTERIES. THEY ALSO RECOMMEND ONE IN EVERY ROOM AND ON ALL LEVELS OF A BUILDING.**

**CAVIUS**



# CHOOSING THE RIGHT STEEL

## Product compliance is becoming an increasingly difficult issue for Builders and BCA's.

An increasing number of builders are finding out that product they believed to be compliant is not. It seems that many product categories are affected including concrete and steel reinforcing. AS/NZS4671:2001 Steel Reinforcing Materials is the standard that defines the product properties needed to meet the performance expectation of steel reinforcing.

### DEMONSTRATING COMPLIANCE - BATCH TESTING OR LONG TERM QUALITY

There are two main ways of demonstrating that a product complies with AS/NZS4671:2001 that can be relied on- **Statistical Sampling** and **Product Certification**. These fit well with NZ's unique conditions and the need for earthquake-grade reinforcing such as 500E rebar and 500E mesh. Statistical Sampling involves either testing each batch of steel for compliance or using long-term quality data that is collected from testing each batch of product over an extended period of time.

### BATCH TESTING - 15 TESTS PER BATCH

Batch testing of rebar requires that 15 tensile tests per batch are done on random samples of product. As a builder, if your supplier is batch testing, they should provide you with test certificates for each different batch of product they supply and each test certificate should have 15 tests on it - less than 15 tests does not prove compliance.

EuroSteel recommend, as a minimum, the test certificate should be from an accredited laboratory and have the results of the mechanical, chemical and physical tests performed. The test certificate should include the bend and rebend test results and most importantly, carry a picture bar marking for the actual bar that was tested.

### LONG TERM QUALITY BEGINS WITH 200 CONSECUTIVE TESTS

The alternative to testing each batch, is to rely on long term quality testing and data. This begins by a supplier testing 200 consecutive samples of the product to establish the base data.

EuroSteel believe long-term quality data is the best means to demonstrate compliance as part of statistical sampling, as it shows how consistent the product is over time. Consistency is a critical factor in assessing reliability. Eurosteel has test data dating back to 2007 to support its claim of compliance.

### PRODUCT CERTIFICATION

Independent, third party verification of product compliance gives another level of verification and assurance you can rely on. EuroSteel is the only NZ supplier to have "S Mark" product certification. The S Mark is run by Bureau Veritas, one of the world's largest conformity and compliance assessment organisations. Compliance, control and confidence in EuroSteel product is therefore assured.



EuroSteel Bar markings comply with AS/NZS4671 and clearly show in the examples below:

- Manufacturer - ASM;
- Diameter - 12mm;
- Strength (Mpa) - 300 MPa, 500 MPa;
- Ductility Class - E (earthquake grade);
- Method of manufacture - Micro Alloy.



# CIVIL FOR SPEED AND STRENGTH

The Civil products were added to the Dricon range to target specific projects where higher strength, faster setting concretes were required.



For 50 years Dricon has been a name synonymous with all things concrete in a bag. As part of the evolution of the old trade trusted products such as HandiCrete and RapidSet, the civil range was introduced. CivilCrete and CivilSet have hit the mark with the trade which means no more expensive imported or specialist 'order in' products are required to complete the project.

## TYPICAL TIME AND MONEY SAVING APPLICATIONS:

- **Smooth finish and fast setting:** Instead of using a bag of post-hole mix and a bag of instant concrete pre-mixed together – just use CivilCrete. You get the benefits of mixing concrete like normal, with a set time much quicker than standard concrete. It can also be placed to a smooth finish if required.
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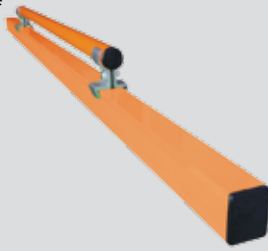
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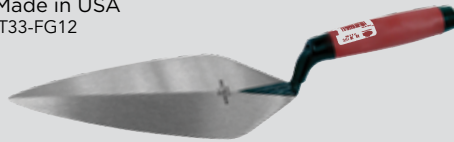
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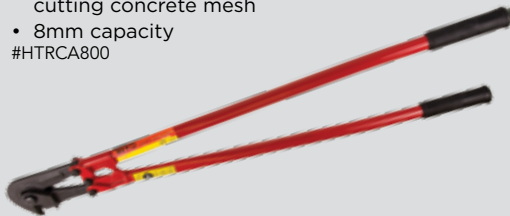
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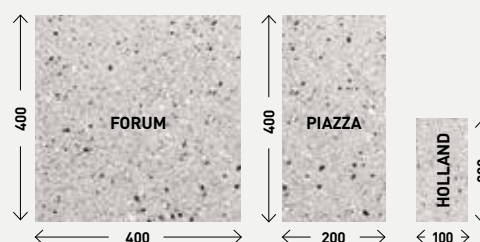
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# BUSTING SOME MYTHS ABOUT RECORDS OF WORK

**What's the correct term to use? Can you and should you ever withhold one? What are they for? Who needs to complete one and when?**

BY GEOFF HARDY OF SPECIALIST CONSTRUCTION LAW FIRM MADISON HARDY

Remember what a “record of work” is? It is something that a licensed building practitioner must hand over to his client and the local territorial authority, when he completes “restricted building work” on a house or a small-to-medium apartment building. There is some confusion about what it is actually called, as many people refer to it as a “memorandum”. The Building Act 2004 (sections 88 and 317(1)(da)(ii)) refers to it only as a “record of work”, but the Building (Forms) Regulations 2004 call it a “Memorandum from licensed building practitioner (record of building work)”. They are the same thing.

If the licensed builder doesn't hand it over promptly, he can be disciplined by the Building Practitioners Board. His only defence is that he had “good reason” for withholding it. Sometimes licensed builders neglect to provide records of work due to simple ignorance of the law or inadvertence, but more commonly it is because the builder's client has refused to pay one or more of the builder's invoices and the builder is using all the leverage he has to extract payment. The Building Practitioners Board has consistently said that none of those are good enough reasons.

Withholding a record of work isn't actually an effective ploy anyway, because the owner doesn't really need it. It is not a prerequisite to the issue of the Code Compliance Certificate (“CCC”). The Ministry of Business, Innovation and

**Withholding a record of work isn't actually an effective ploy anyway, because the owner doesn't really need it.**

Employment has made it perfectly clear in several determinations that a Council cannot refuse to issue a CCC just because a record of work has not been provided, nor can it make the provision of a record of work a condition of a building consent. When applying for a CCC, the owner must include with the application “any” records of work provided by licensed building practitioners. It follows that if the owner hasn't received any, he or

she doesn't have to hand any over. For that reason, unlike a producer statement, withholding a record of work doesn't give the builder any leverage.

## WHAT ARE THEY FOR?

What, then, is the reason for records of work? It is simply to identify the people who carried out or supervised the restricted building work, in case this becomes important later on. Why might it be important? First, because there might be a need to find out (for example) what is under the concrete floor pad or behind interior or exterior claddings, and the simplest way to do that is to ask the person who did the work. But more likely, it is because latent defects have emerged and

**It is simply to identify the people who carried out or supervised the restricted building work, in case this becomes important later on.**

the owner at the time needs to know who to hold accountable. Even the original owner might not know precisely who did what work on the building, and as the years tick by and ownership changes several times, that knowledge is going to fade rapidly.

Therefore, the purpose of a record of work is to get every licensed builder to take responsibility for their work. The Building Act says that a record of work will not expose the licensed builder to any more liability than he already had, and that is true to some extent. But there is no question that the record of work makes it easier to hold the builder accountable under existing laws, because the record of work effectively says “Here I am, come and get me”. It certainly does create a strong incentive to do restricted building work competently.

## SOME USEFUL THINGS TO REMEMBER

The Building Practitioners Board has issued some further guidance concerning records of work recently (in BPB Complaint No. C2-01170). Probably the most important point they made is that "each" licensed builder who carries out or supervises restricted building work must provide their own separate record of work. It is not sufficient if the most senior licensed builder in the relevant licensing class (for example, carpentry) provides one record of work for all the licensed carpenters. Every one of them must identify themselves and state (in the middle column of the record of work form) exactly what they did, even if they only did a minor part of the restricted building work. That is going to come as some surprise to some licensed builders.

**Each licensed builder who carries out or supervises restricted building work must provide their own separate record of work.**

The second issue is when to provide your record of work. Section 88 of the Building Act says it is "on completion" of "the" restricted building work. What restricted building work are they talking about? It is the restricted building work that you carried out or supervised? So the time to provide

your record of work (to both the owner and the territorial authority, incidentally) is when there is no reasonable prospect of you being called back to do any more restricted building work on that project. Normally that will be when you have finished your allocated tasks and you have rectified any defects that have been identified during the project. But in building projects that have turned ugly, it will be when the owner has kicked you off site, never to return (whether or not he had a right to do so).

How quickly do you have to hand it over? The Building Practitioners Board says a "short time after" completion of your restricted building work. That is a bit vague, but the point is, it's not a big job (the form is not that complicated) and you are best to do it when the project is still fresh in your mind and before other distractions start to intrude on your available time. Although there is no particular urgency, I suggest you don't leave it for any longer than a few weeks, unless you are dealing with an emergency and can't get onto it any sooner.



Geoff Hardy has 40 years' experience as a commercial lawyer and is the senior lawyer in the Auckland-based firm "Madison Hardy". He guarantees personal attention to new clients at competitive rates. His phone number is (09) 379 0700, fax (09) 379 0504, and e-mail [geoff@madisonhardy.com](mailto:geoff@madisonhardy.com). This article is not intended to be relied upon as legal advice.

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# KILLER FOOTAGE!

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There really is no other way to put it. When we go fishing - we kill the occasional fish.... if we're lucky. And our television show pulls in a big audience because people want to watch us catching (and killing) fish. But while doing that we try our best to show people how to 'fish for tomorrow'. Still, there are plenty of people that say, 'killing is wrong in this day and age', yet will happily consume fish and meat.

## PIG HUNTING

What brought about my thoughts on killing was a recent experience I had. It was nothing out of the ordinary for me but when I showed the footage to others I got a wide range of reactions, from shock and disgust, to cheers and congratulations. The footage in question was of some pig hunting I'd recently done.

I went out pig hunting with a friend and experienced the same adrenaline rush from the dogs bailing as I did when a reel screamed off with a fish on the end of the line. And I felt the same sort of satisfaction bringing home wild pork as I did bringing home a feed of fish. It turns out the instinct we have to 'provide' can override our fears and reservations, and there's science to support this. Our body's release endorphins when we capture a fish or an animal. That's why fishermen and hunters come home so happy after a successful hunt.

## KILLING IS A PART OF LIFE

But there seems to be fishermen that are happy to see a fish get spiked in the head, but a pig being killed is too much. I can understand people not wanting to see it, but I can't understand those that say it's wrong to hunt. The fact is the boar we killed lived a wild and free life and it had a real fighting chance to survive. And you can't help but know where your meal came from when you've carried a heavy pig for several kilometres out of a deep gully! A good hunter always has respect for their quarry and the life they've taken. The same can't be said for the average consumer who will eat bacon without a single thought for how it got to their plate.



## MY DILEMMA

So I am in two minds whether to share the pig hunting footage publically. On one hand we don't show it, because some may find it brutal, but that could be like accepting that pig hunting is wrong or killing is wrong. Or we show the footage and it could spark a backlash against hunters and fishers.

In my parent's generation almost everyone knew where their food came from. Killing was accepted as a normal part of life as it has been for thousands of years. But today killing is becoming more and more taboo; a Briton who recently moved to New Zealand stopped me in the street and said he couldn't believe that we got away with killing fish on telly. He went on to say that hunting is virtually outlawed in the UK and using hooks with barbs is a banned practice in some areas, as all fish have to be released.

Yes, we have to be responsible with how we harvest our wild food but at the same time let's go about our killing without shame, or we could end up in the same situation as the Brits where a natural part of life has been outlawed. Imagine what that would do to our culture?

Righto. I'm off the soap-box, now where's my fishing rod!

Keep 'em tight.

Matt

*Matt Watson*



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