



October 2016



CONCRETE CONNECTIONS

WWW.ACRASSOC.COM.AU



Concrete Connections

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Contact ACRA via email info@acrassoc.com.au

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Welcome to this edition of Concrete Connections



Message from the President.

With thoughts already returning to Christmas and some well-earned time-off for many of us we can reflect on the year and the challenges ahead for 2017.

But before we do that we have one or two more special events happening with our seminar sessions; so check out the web site at www.acrassoc.com.au for upcoming events. However, one not to miss is the biennial ACRA Awards night on the 27th October. If you can't get there don't miss the forthcoming seminars travelling the country that will highlight the winners.

The Awards night hopes to show the industry at its best and allows our members to highlight their skills and professionalism from the last 2 years of concrete repair projects. Some of those projects will be long-term achievements in durability of their concrete repairs where the client has benefitted from the experience and products that have kept their assets in top condition.

I hope you all can continue to take advantage of the many opportunities these awards nights and seminars can provide.

I trust you are as excited as I am about The Awards night and 2017, and that you help us continue our tradition of success to make 2016/17 the best year in our organisation's history. In order to accomplish this lofty goal, we request your continued involvement in as many events as possible in 2016/17 and to encourage other colleagues who might not already be involved in the Association to become involved. Additionally, our supporters and members continue to help the Association thrive, so please let the Asset Owners and their Agents with whom you work with know how much you value their support and the Association's delivery of professional standards in the Concrete Repair Industry.

Please don't hesitate to chat with me, or any member of our Board of Directors, or any Committee Chair with any questions, comments or concerns.

I look forward to hearing from you or seeing you at one of our many events this year and next.

~ Henk van den Heuvel, President.

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ACRA MEMBERS ANNUAL GENERAL MEETING

MEET YOUR ACRA BOARD NOMINEES FOR 2016-2017

On October 27, ACRA will be holding its Annual General Meeting at The Sebel Pier One Sydney (under the harbour bridge) at 5pm. During this meeting ACRA financial Members will also be voting on their newest ACRA Board Members for 2016-2017. If you are unsure of your membership status, please contact ACRA to find out info@acrassoc.com.au

At the AGM this will also be your opportunity to speak up as a Member and voice any concerns or burning questions you may have about your industry.

Here are your nominees:

Michael Batty – Dukes (Contractor)

Board and Committee experience includes:

- Company Director Casrema Pty Ltd
- Australian Aluminium Fabricators Association committee
- Strata Community Australia - Owners Committee
- Various Owners Corporations
- Balmoral Sailing Club Board

Michael has studied at the College of Estate Management- University of Reading, College of Building - Manchester

Work in England, Australia-South Africa, UAE and Qatar.

Michael has extensive professional experience in

Strata, Community and Association Management. Project, construction, interior, building refurbishment, diagnostics, solutions and remediation. Distribution of Tremco and Wrimco range of chemical building products. Lecture University of Sydney School of Architecture, expert witness, manufacture of polystyrene and bitumen products to the construction Industry, Fixed Fire Protection design and installation to special hazards, power stations, etcetera. Precast concrete facade manufacture. Architecture, Building and Land Surveying.



Daniel Rowley – CE Construction Solutions (Supplier)



Daniel is the General Manager of CE Construction Solutions based in Canberra. CE Construction Solutions are regional distributor for nearly all ACRA product suppliers. For over 40 years CE Construction Solutions have been providing technical resources, material supply and market representation to regional and remote areas of Australia.

Daniel has been on the ACRA Board since 2004 has over 18 years' experience in the concrete industry. His background includes remedial technologies, concrete admixtures, pre-mixed concrete, cement and

bagged cementitious materials. Daniel is also an active member of the Concrete Institute of Australia as the convenor of their ACT sub-branch.

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Greg Zambesi – GHD (Consultant)

Greg is a Snr Materials Scientist with extensive experience in infrastructure inspection and assessment, material selection, diagnostic investigation and asset management of concrete, steel and timber. He has over 20 years' experience with Civil, Road, Maritime, Port and Rail infrastructure projects throughout Australia and New Zealand.



Grant Dowling – SIKA Australia (Supplier)



Grant has been a board member of ACRA since 2012 and has approximately 20 years' experience in the remedial construction materials supply. Grant is currently the Market Field Manager – Refurbishment & Strengthening for SIKA Australia. Grant also has approximately 5 years' experience in Building Consultancy employed as a technical remedial consultant conducting diagnostic inspection and analysis of concrete structures, Defect liability inspections and reports, Remedial project management, Remedial Specifications.

Peter Johnsson – Arcadis (Consultant)

Peter Johnsson is a Principal Engineer in Arcadis' Diagnostic & Remedial Engineering group. He has been President of ACRA on two occasions and a Director since 2004. He is a presenter of ACRA's One Day Course in Concrete Repair and Protection and current Secretary of the Association.



Hamid Khan – Parchem Construction Supplies (Supplier)



Hamid Khan working presently as Technical Product Manager – Concrete Durability at Parchem Construction Supplies, Australasia, holds a bachelor degree in Civil Engineering discipline. He also holds a double Master in Business and Strategy from the University of Wollongong. Hamid is certified in Concrete Technology and Construction, by City & Guilds of London Institute (UK) and is a qualified expert in concrete repair & refurbishment with 19 years of experience in the industry. He was associated with Fosroc International in Dubai for 14 years taking up various roles in technical and management. Hamid's experience comes from the Gulf, Middle East, Europe, East Asia and Central Asia.

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Harvey Welman – Ardex Australia (Supplier)

Harvey Welman has over 23 years within the construction industry, including 9 years specifically within the Concrete Durability and Waterproofing market segment.

Harvey holds Contracting & Supervisor Certificates in Waterproofing, Plumbing and Bonded Asbestos Removal.

Harvey currently works as the Waterproofing & General Construction Manager at Ardex Australia focussing on a 'holistic approach' to the refurbishment and rectification of structures within the New South Wales market: this includes crack injection, concrete repair, render systems, flooring reinstatement, waterproofing and façade coatings.



Matthew Ball- Buildcorp Asset Solutions (Contractor)

Matthew Ball is the Operations Manager at Buildcorp Asset Solutions, a division of Buildcorp Group Pty Ltd. The division specialises in remedial construction, predominantly concrete repair. Matthew is a B.Eng (hons) Civ/Struct graduate and has 17 years of construction experience.

Keiran Smith – Freyssinet (Contractor)

Kieran Smith is the Buildings Remediation Manager of Freyssinet Australia Pty Ltd, a leading provider of specialist property and infrastructure post-tensioning, civil engineering, remedial engineering and repairs.

Kieran has over 18 years' experience in the remediation industry and has previously worked across the country as both a Project Supervisor and Project Manager. Kieran's experience in the industry has been solely focussed on remediation works and has both hands-on and design experience in providing concrete repair solutions such as conventional hand applied repair, gunite and shotcrete, sacrificial anode and impressed current cathodic protection.

Kieran has been involved with many significant projects during his time in the industry, such as Australia Square, The MLC Centre, The Four Seasons Hotel, Geraldton Silos and Caltex Wharf.



Aside from concrete repair he is experienced in all sectors of structural and building remediation and now heads up the Buildings Remediation section for Freyssinet Australia in NSW.

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THE CONCRETE REPAIR & PROTECTION INDUSTRY'S BIGGEST NIGHT IS ON OCTOBER 27. WHO WILL WIN?

This year the judges of the ACRA Awards for Excellence in Concrete Repair and Protection Awards had a tough decision to make, to the point where they required many more weeks to come to their decisions.

On the evening of October 27, at The Sebel Pier One Sydney (under the Harbour Bridge) we'll be showcasing all the entrants and announcing who the winners are. We will be handing out the large number of awards in ACRA history!

If you haven't registered already be sure to [click here to register](#)



Awards & Recognition



Excellence in Concrete Repair
& Protection 2016

AWARD ENTRIES ARE:

Company: Preservation Technologies Pty Ltd and BAAM Consulting

Project: Concrete Balustrade & Balcony Enclosure Upgrade, Townhouse & High Rise Block – 'Tarquin' 10 Hilltop Cr, Fairlight.



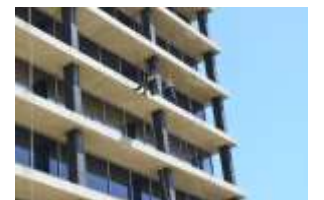
Company: Absafe Pty Ltd

Project: Hazelwood Unit 5 Chimney Stack Repair



Company: Duratec Australia

Project: Dumas House Façade Technical Survey



Company: Duratec Australia

Project: Tempe Bridge Rehabilitation Works



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Company: ACOR Consultants Pty Ltd

Project: Coal Loader Platform Adaptive Re-use Greenroof Project



Company: Marine & Civil Maintenance Pty Ltd

Project: The Entrance Bridge



Company: Absafe Pty Ltd

Project: Tullaroop Reservoir Spillway Joint



Company: Roads and Maritime Services NSW

Project: Durability Remediation of Watkins Bridge



Company: Buildcorp Asset Solutions

Project: Northumberland Street Car Park, Liverpool NSW



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Company: REMCON Constructions

Project: Mitchell House – Heritage Façade Restoration



Company: REMCON Constructions

Project: Swinburne University- Façade Restoration & Refabricating of Heritage Ornate Features.



Company: Freyssinet Australia Pty Ltd

Project: KCT K4 Wharf Construction Joint Repairs



Company: SRG Limited

Project title: Widening of Princes Highway East Bridge over Barwon River at Winchelsea.



Company: SRG Limited

Project: Punt Hill Apartments



Company: Freyssinet Australia (QLD Business Unit)

Project title: Neil Street Car Park Toowoomba Bus Interchange Structural Rectifications.



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Come along to the biggest networking event in this industry on 27 October 2016 and hear and see in more detail about these projects and to see who the overall winner on the night of the ACRA Award for Excellence in Concrete Repair and Protection and help us celebrate 25 years of ACRA.

Venue: The Sebel Pier One Sydney

Date: 27 October 2016

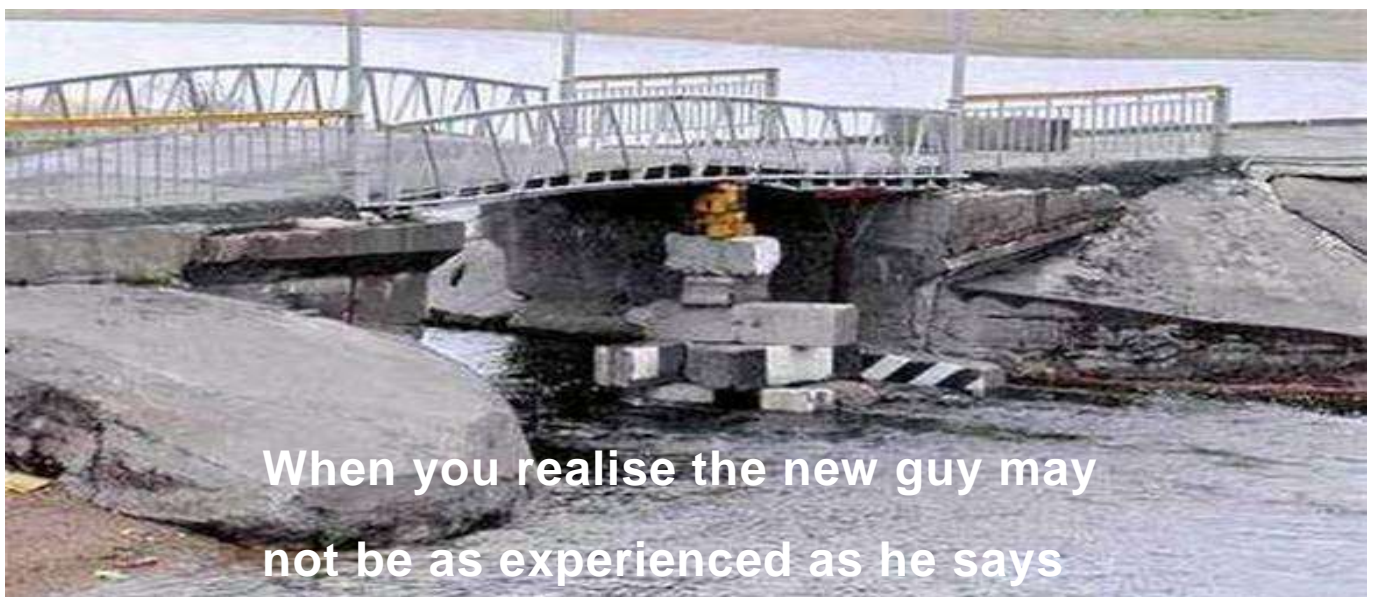
Time: AGM at 5pm, drinks from 6pm, awards at 6.30pm

Cost: \$120pp

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When you realise the new guy may not be as experienced as he says

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SECURITY OF PAYMENT - KEY TIPS AND TRAPS

DANIEL FITZPATRICK: SPECIAL COUNSEL, GADENS

The *Building and Construction Industry Security of Payment Act 1999* (NSW) (**SOPA**) is designed to address the high degree of control that principals and head contractors can exercise over cashflow in the construction industry absent regulation.

There is no general law right to a progress payment during a project. Without SOPA, contractors and subcontractors who undertake construction work would only have that right if it was written into the contract. And even then, that right could be subject to a “pay when paid” provision in the contract or be too easily thwarted by disputes and counterclaims under the contract and the time, costs and risks involved in litigation.

The SOPA addresses these issues in a number of ways (it is a complex piece of legislation) but most importantly by:

- prohibiting contractual terms that establish “pay when paid” arrangements;
- providing a general statutory right to a progress payment for people undertaking construction work and related goods and services; and
- establishing a fast track, paper based, dispute resolution process known as “Adjudication” to resolve interim resolution of disputes about progress payments (“Adjudication”).

Adjudication has proved very popular. There was what has been described as a “tsunami” of SOPA disputes and litigation in the 2000s and it continues to be widely used by the industry. It has been taken up by the other States¹ and Territories and a harmonised Federal version of the legislation is under consideration.

Basic outline of the Adjudication process

How does the Adjudication process work? It is an “on the papers process” (ie. entirely document based) that is based around the following five key documents:

1. **Payment Claim:** This is a document issued by a Claimant who has undertaken construction work or the supply of related goods and services. It must state the amount of the progress payment claimed by the Claimant, and must identify the works or goods and services claimed for.
2. **Payment Schedule:** This is a document issued by a Respondent that states (or ‘schedules’) the amount of the progress payment that the Respondent agrees to make and if there is any difference, sets out payment and the reasons for withholding any amount. It must be issued within 10 business days of receipt of the Payment Claim. If that deadline is missed, the Respondent is liable under SOPA for the whole of the amount of the Payment Claim!
3. **Adjudication Application:** This is the Claimant’s application for adjudication of the dispute and will contain all submissions on the dispute and all supporting documentation that it wants the Adjudicator to consider. The Adjudication Application is lodged with a body called an ANA which is responsible for appointing the Adjudicator who will determine the dispute. The major ANA in NSW is Adjudicate Today. It gathers roughly 70% of the total adjudication applications. Others include The Resolution Institute (formerly IAMA), RICS, MBA, Australian Solutions Centre and Able Adjudicate. A copy of the Adjudication Application also has to be served upon the Respondent. The deadline for a valid Adjudication Application is 10 business days after the Payment Schedule was served.

¹ *The versions of the SOPA operating in Western Australia and the Northern Territory include some significant differences and are known as the “West Coast model” (as compared to the “East Coast model” based on SOPA operating in New South Wales, Queensland, Victoria, South Australia, Tasmania and the Australian Capital*

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4. Adjudication Response: This is the Respondent's submissions to the Adjudicator addressing the Adjudication application. It should include all the submissions and supporting documentary evidence that the Respondent wants the Adjudicator to consider. The deadline for an Adjudication Response is (generally) 5 business days after the Respondent received the Adjudication Application.

5. Adjudication determination: This is the Adjudicator's decision on the dispute, determining how much of the progress payment claimed is payable, the due date for payment, interest and proportion of the Adjudicator's fees payable by each party. The Adjudication Determination is binding on the parties and can be enforced as a judgment debt of the Court. The Adjudication Determination has to be issued within 10 business days of the Adjudicator's appointment (or such further time agreed by the parties).

Key tips and traps

So what are the key tips and traps known in SOPA circles? There are many, but in our view the following are the most important.

Timing and service is everything!

This is the key tip and trap for anyone involved in a SOPA dispute. The time frame for Adjudication is very rapid in comparison with other dispute resolution processes and the Act is particularly unforgiving when it comes to the application of its deadlines and can take the uninitiated by surprise. It is critical to ensure that documents are served within time and effectively.

Some key tips in relation to timing are that SOPA timing is by business days, meaning the weekend and public holidays don't count. Days are counted from the next business day after a document is served. Also, SOPA timing runs until midnight. Documents can be served at 11:59 pm and period for the responding document will start to run at 12:00 am. Don't be trapped by relying on contractual provisions which deal with service outside business hours – they don't apply to SOPA.

Effective service is also critical. SOPA contemplates service by post, delivery and fax, but the Courts have confirmed that any method that results in actual receipt of the relevant document is permitted. Service by delivery, fax, post, email, Dropbox link (or similar) are all common. For example:

- Faxes can sometimes present timing issues or fail with large documents and fax machines can be turned off. Missing or added digits from fax numbers have also been known to cause problems.
- Email service can present all sorts of complex arguments if the email bounces or is not allegedly received. Server records may need to be subpoenaed or IT experts retained to search for signs of the successful or unsuccessful email.
- Post can go missing (and conversely can sometimes sit unnoticed after receipt) and may involve arguments about when the document was deemed to be received.
- Dropbox and similar links can cause their own problems, as the time of service is ultimately the time when the link is first accessed. A payment claim served by drop box link could be accessed well after the time the email containing the link was served, but time will run from the date the link was accessed.
- Service by delivery is probably the safest method, provided it is properly documented. Problems can arise though if offices are closed or unattended, the address is not the current address for the recipient and a formal contemporaneous affidavit from service is not obtained.

A good tip is to serve using a number of methods, as all of these methods though can be fraught with issues. Also make sure that you have checked the currency of the address you are serving on. And to avoid any doubt, try to call the receiving party and get them to verbally confirm receipt of the document.

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Tips for Claimants

Following are some key tips for Claimants:

- **Claimants can prepare in advance and choose when to apply for adjudication:** Where there are longstanding and complex claims in dispute, savvy Claimants will often start preparing adjudication applications well in advance of an adjudication application and then wait for a Payment Schedule that is 'soft' in terms of its reasoning.
- **Payment claims no longer have to contain the SOPA endorsement:** It was once a requirement that Payment Claims identify that they were made under the SOPA, but it is no longer the case. Payment Claims (with one exception²) simply need to identify the construction work or related goods and services to which it relates and the amount that the claimant claims to be due. So any invoice for construction works constitutes a payment claim and can lead to an adjudication application or statutory debt (if not answered in time).
- **The Claimed Amount should be the cumulative total claimed as owing, not a total 'this month' or 'this claim' that excludes prior amounts:** Payment Claims are often set out in a schedule format identifying the total claimed 'this month' or 'this claim' that excludes amounts from previous claimed. Sometimes this happens because the Claimant is following a form of payment claim that is prescribed by the contract. Sometimes though it is the Claimant's standard form needs to be updated! To get the most value out of the process, the Claimant should claim the cumulative total owing to it (including amounts the subject of previous claims). The difference can be significant
- **Claimants who are Head Contractors need to serve Supporting Statements:** Payment Claims by Head Contractors need to be accompanied by a Supporting Statement in relation to payment of subcontractors in respect of the work claimed for that has been carried out by subcontractors. If they aren't, then the Head Contractor will have failed to validly serve the Payment Claim, likely meaning that any Adjudication Determination based on that Payment Claim will be invalid. There is a prescribed form of Supporting Statement set out in Schedule 1 of the *Building and Construction Industry Security of Payment Regulation 2008*.

Tips for Respondents

Following are some key tips for Respondents:

- **Be prepared and move quickly:** The timeframes of SOPA are geared against you. If you need assistance, get the documents to your lawyer or adviser as soon as possible. Use all of the time you have to put on the best response possible.
- **Payment schedules must be comprehensive:** Respondents must make sure that they include every reason for not paying or withholding an amount claimed by a Payment Claim. This is because section 20(2B) of the Act provides that Respondents can't raise any arguments in their adjudication response that weren't lodged in the Payment Schedule. Payment Schedules need to identify, without going into detailed submissions, everything argument or basis for denying the claim that the Respondent wants to rely upon in the event that the dispute goes to Adjudication. Claimants are always primed to argue a line of argument raised in an Adjudication Response wasn't raised in the Payment Schedule, so it is important to clearly address each item of the Payment Claim with careful and clear drafting. The Act allows 10 days for a Payment Schedule (double the time allowed for the Adjudication Response), so it is worthwhile using this time productively!
- **Set-off claims and liquidated damages claims are hard to establish:** There are a host of counter arguments and barriers to these types of claims and Adjudication is notoriously unkind forum for them. It is also a reason why SOPA is widely regarded as a 'Claimant friendly' process. Careful drafting and a clear understanding of the contractual pre-requisites to these claims is required before a Respondent gets over-invested in establishing these set-off claims in Adjudication.

² Subcontractor claims made against contractor respondents in respect of residential building work projects.

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□ **Adjudication Response:** This needs to be as comprehensive as possible, as will be heavily scrutinised by the Respondent and the Adjudicator. It is not unusual to Adjudication Determinations that seem to assume that the claimed amount is payable unless the Respondent establishes otherwise (the onus in theory should be on the Claimant to establish its claim). Respondents should include every argument available to them and as much documentary evidence as possible to support their position as to the proper value of the construction work and/or related goods and services that have been claimed for. The fact that Adjudicators are required to independently value the work claimed for in Payment Claim is also very helpful to Respondents. Often it is photographs and other documentation showing incomplete or defective works that 'saves' a Respondent from an adverse determination. It is always worth including this type of evidence relevant to valuation of the works!

Adjudication Determinations: Challenges and Enforcement

Adjudication Determinations are binding on the parties, but do not prevent them from commencing litigation to finally resolve the parties' substantive entitlements in respect of their contract. SOPA provides "interim relief" only.

This can be an important consideration for both Claimants and Respondents in relation to considering the prospects of any challenge to the Adjudication Determination (by the Respondent). Such challenges involve commencing Supreme Court proceedings and typically seeking an injunction or orders restraining the payment of the Adjudicated Amount to the Claimant.

Sometimes these challenges can play out well for Respondents (provided there are reasonable arguments that the Adjudication Determination is flawed), but it is sometimes easy in the heat of a SOPA dispute to lose sight of the alternative processes available to resolve the broader dispute between the parties and/or dismiss them as too time consuming. Claimants and Respondents can both waste a lot of time and cost disputing their SOPA entitlements when it would be more effective for the parties to litigate at the end of the project and resolve their entitlements on a final basis. SOPA disputes can very quickly become hyper technical and involve many complex questions of law, particularly if there insolvency issues at play.

Another practical consideration for successful Claimants is the enforcement process required if the Respondent fails to pay the Adjudication Determination. This process can present a number of obstacles, particularly if 'first resort' enforcement methods such as garnishee orders are unsuccessful or in the event of insolvency of the Respondent.

Conclusion

The SOPA process and SOPA disputes can be a very useful and potent tool for contractors and subcontractors seeking to redress cashflow problems on construction projects.

There are however a number of complexities and hidden traps and pitfalls in the process that both Claimants and Respondents need to keep in mind. This paper is only an introduction to the topic.

Legal advice will assist a party to the process to better understand their rights, options and applicable deadlines. Gadens construction team is ready and happy to assist in this regard. Please feel free to contact us.

This paper does not constitute legal advice and should not be relied upon as such. It is intended only to provide a summary and general overview on matters of interest and it is not intended to be comprehensive. You should seek legal or other professional advice before acting or relying on any of the content.

gadens

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REMINDER FROM THE ATO– CHANGES TO FUEL TAX CREDIT RATES

Reminder: Fuel tax credit rates have increased.

Rates increased on 1 August in line with the consumer price index (CPI) and will change again in February 2017. Rates also changed on 1 July 2016 due to a change in the road user charge.

Updates for heavy vehicles

The ATO updated their website information to help you work out your fuel tax credit entitlement for fuel used in heavy vehicles for idling, cabin air conditioning and on public roads.

How to calculate your claim

The ATO fuel tax credit calculator contains the latest rates. Use it to work out the fuel tax credit amount to report on your business activity statement (BAS), or check the fuel tax credit rates online before completing your BAS.

Next steps:

Use the ATO [Fuel tax credit calculator](#) online or on the [ATO app](#)

Click here to view the ATO [Fuel tax credit rates](#)

Click here to read about:

[Simplified fuel tax credits](#)

Updates for [heavy vehicles](#)

PREVENTING OCCUPATIONAL ASTHMA

Occupational asthma occurs when a work-related action causes symptoms such as recurring soreness or watering of eyes, recurring blocked or runny nose, bouts of coughing, chest tightness, wheezing, breathlessness and persistent chest problems. Typically, these symptoms will improve during weekends or holidays.

Asthma can be divided into two types: sensitiser-induced and irritant-induced asthma, which is also known as reactive airway dysfunction syndrome (RADS).

Sensitiser asthma occurs over a period of time, whereby the immune system produces antibodies to foreign substances/microbes. The antibodies created by the body are proteins which destroy the foreign matter.

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During an asthmatic reaction these 'immunoglobulin E' antibodies attach to specific cells in the lung, and this physical process is a sensitive reaction. A sensitive reactive individual, when re-exposed with IgE antibodies, will release leukotrienes, which causes the physical narrowing of air passages.

By comparison, RADS appears after a single exposure and symptoms occur normally straight away, though they can appear within a 24-hour period after exposure. Symptoms can reappear later with a re-exposure event.

To prevent occupational asthma from affecting workers, Material Safety Data Sheets (MSDS) should be reviewed before used in a process. If labelled R42, it is a sensitiser by inhaling, and if labelled R42/43, it is a sensitiser by inhaling or by skin contact. If the sensitising agent cannot be eliminated by the employer, then a health surveillance program is required before the employee is exposed to the agent. They also require the correct level of personal protective equipment.

If a workplace has sensitising agents in its manufacturing process, air testing is mandatory by WHS legislation. An Occupational Matters hygienist is able to complete a comprehensive occupational hygiene assessment of contaminant concentrations or complete a risk assessment for your workplace.

[Safe Work Australia](#) has further information on this topic.

By Samantha Sims, Occupational Hygienist



Raise awareness, encourage discussion, share stories.
www.safeworkaustralia.gov.au/safeworkmonth

SAFETY INFRASTRUCTURE ADVANCEMENTS FOR CONCRETE TESTING AT KENNARDS HIRE TEST & MEASURE

Analysing concrete's integrity and hardness will help to determine the longevity of its infrastructure. Ultimately, the sounder the integrity is, the safer that infrastructure will be over its lifetime.

The Matest Test Hammer is an advanced digital concrete Test Hammer, used to evaluate on site compression resistance and uniformity. Its 'rebound method' is in addition to Kennards Hire Test & Measure's already extensive NDT (Non-Destructive Testing) category. The rebound hammers are used to perform tests on concrete structures and buildings, continually providing information of its compressive strength.

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The Matest Test Hammer is portable, highly accurate and high in resolution. The microprocessor unit consists of the standard mechanical model C380, but is equipped with an electronic transducer that measures the rebound values and supplies automatically the results on a graphic display.

The data is downloadable (software included), and the instrument is NATA (National Association of Testing Authorities) calibrated, which reinforces its ability and accuracy. The Matest Test Hammer continuously and automatically records all parameters in accordance with EN 12504-2 specifications, before registering and processing data and transferring it to a PC.

The Matest Test Hammer meets the industry standards of construction, consulting, engineering, precast and concrete companies, insurance, bridgework, remedial and mining.

Features

- 60 hour battery life
- Data transfer software and USB cable
- Carrying case
- Automatic statistical processing and readings
- Compressive in psi, N/mm², kg/cm²
- Graphic Display LCD 64x124

Specifications

- Product Code: 1050519
- Dimensions: 300x50x50 mm
- Dimensions With Case: 330x180x120 mm
- Weight: 3kg
- Power: 6 x AA NiMh 2000mA Batteries
- Interface: RS232
- Operating Temp: -10°C +60°C

The Matest Test Hammer comes with data transfer software, data transfer cable RS232, battery charger, abrasive stone and carrying case.

The Matest Test Hammer is now available to hire from all [Kennards Hire Test & Measure](#) branches.

For further information on the **Matest Test Hammer**, or to find your nearest [Kennards Hire Test & Measure](#) branch, visit www.kennards.com.au/testandmeasure



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JOIN THE 9TH ANNUAL COASTS AND MARINE STRUCTURES 2017 CONFERENCE

Discover Best Practise Strategies for Design, Planning, Construction and Asset Management

To remain competitive, Australian port operators must plan, design, manage and maintain their assets more creatively and proactively to meet future demands and drive profitability.

With this in mind, our **Coast and Marine Structures Summit 2017** will focus on key considerations relevant to ensuring your existing assets are maximised and prepared to accommodate bigger vessels.

Attend this 2-day conference and learn about:

- Innovative planning and design of ports to create efficiencies that drive profit
- Best practice asset management strategies and new PIANC design principles for bulk terminals
- Proactive asset management and maintenance to improve durability and maximise and extend asset lifecycles
- Alternative material and protection techniques trialled and tested in the US and Europe
- Strategies to shift organisational culture and mindset from asset management to asset maintenance
- How you can leverage technology to increase the efficiency of your marine structures
- Case studies on retrofitting, expanding and upgrading your ports in cost-effective ways

10% discount for ACRA members! Quote **ACRA10** when booking.

To learn more or book a ticket, contact us now!

W: <http://www.marinestructures.com.au/> → Link (<http://bit.ly/2evYSVn>) P: +61 2 9229 1000 E: enquire@iqpc.com.au



Best Practise Strategies for Design, Planning, Construction and Asset Management

20-22 March 2017

Brisbane, Queensland, Australia

Hear from **20+ global experts** including **Maritime/Coastal Engineers, Contractors, Port Authorities** from



BOOK NOW!

EXCLUSIVE 10% DISCOUNT FOR ACRA MEMBERS!*
Simply quote **ACRA10** when booking your ticket

**Discount subject to availability and not available to vendors or solution providers.*

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ACRA GUIDE TO CONCRETE REPAIR AND PROTECTION HB84 – UPDATED



The ACRA Guide to Concrete Repair and Protection HB-84 is being updated, and with this update will come refreshed photos as well. This is where you, the members can help.

If you have any photos you would like to donate to this updated handbook along with a very brief description of the photo we just may use it in the guide or it may even make the cover.

Email your photo/s to info@acrassoc.com.au or phone +61 2 9645 3692 if you have any questions.

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Sustainability In Concrete Structures



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Your Solution to Sustainability In Concrete Structures

Xypex's ability to selfheal static hairline cracks up to 0.4mm wide, resist extreme hydrostatic pressure, and its chemical protection will ensure the enhancement of durability, extension of service life and reduction of future lifetime costs of the Westgate Bridge in Victoria.

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STAY SMART ONLINE

ACRA is a proud partner of **Stay Smart Online**.

Business owners face additional challenges when maintaining online safety and security including expensive equipment, staff and sensitive corporate information. Online security is about protecting your information, which is often the most critical and valuable asset a business will own.



PREVENTING DATA THEFT

Threats to your data include:

- hackers accessing networks that are not properly secured
- thieves breaking into your office and stealing equipment
- your staff carrying your data out of the office on portable media.

Internal threats are more difficult to anticipate, but can be equally devastating to your business. Staff may remove data inadvertently or on purpose for financial gain or revenge.

Data is very easily transported out of your office using writable CDs or DVDs, USB drives, MP3 players or mobile devices and phones. All of these devices hold large amounts of data and are a discreet way in which an employee could copy data and walk out of the office without you ever knowing.

Think carefully about where you store data and how you secure it physically and electronically, who has access to it and what devices you allow staff to connect to your computer network.

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CONTROL ACCESS TO YOUR COMPUTERS AND DATA

Only provide access to your computer network and data to those that need it to do their job. Determine staff access to data on a need to know basis. Consider how to separate staff roles and responsibilities so that you can segregate data more effectively.

Create individual user accounts for all staff that have access to your computers. Having separate user accounts will allow you to control who can access your business data by restricting access to drives and folders to specific user accounts.

Most operating systems allow you to create Standard or Administrator level accounts. It is recommended that normal users have accounts without the ability to install software (Standard accounts), as this greatly reduces the chance of spyware or viruses being installed without their knowledge.

If you have employees that occasionally need to install or modify software, create two accounts for them. Create one as a Standard account and one as an Administrator account. They should only use the Administrator account when they need the additional privileges.

INSTALL DATA LOSS PREVENTION (DLP) SOFTWARE

You can install Data Loss Prevention (DLP) software that can be used to disable USB ports or to monitor or restrict the copying of files to USB devices. This software can be set to silently monitor transfers or actively stop users from transferring data.



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DISASTERS IN CONCRETE SEMINAR & CHRISTMAS DRINKS - DECEMBER 1

KIRRIBILLI CLUB, LAVENDER BAY NSW

5.45PM PRE SEMINAR DRINKS

6.00PM SEMINAR BEGINS

FOLLOWED BY NETWORKING DRINKS AND CANAPES.

Cost: \$55 for members, \$77 for non-members

Venue: Kirribilli Club Lavender Bay NSW

Speakers: Hamid Khan from Parchem and David Mahaffey from Mahaffey Associates.

Concrete, a relatively easy material to manage, forms a major component of the buildings and infrastructure. If not worked properly, it can lead to problems and disasters.



All reinforced concrete structures deteriorate over time.

Corrosion of reinforcement is a major challenge to the durability of concrete structures.....

[click here](#) to read more and to register

Sponsorship is available for this seminar which includes Christmas drinks.

Contact ACRA info@acrassoc.com.au for details.

It's that time of year again where we all get together and share in some Christmas cheer. This year ACRA NSW invites its Members to join us at the Kirribilli Club overlooking Lavender Bay in Nth Sydney.

Invites will be sent out soon to Members where up to 3 people can come along at no cost per Corporate Membership and just the 1 for Individual members

There will be a small cost for any extra people you wish to invite like a partner or even a client.

Be sure to save the date of December 1.

These drinks will follow after the Disasters in Concrete seminar. For those who register for this seminar, these drinks are included.



Victoria, Perth and Queensland Seminar and Christmas drinks will be announced soon.

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New Corporate Members

In business for over 55 years, DUKES hold a builder licence and are in a unique position of being able to carry out both façade and multiple building repairs as well as applying the protective coating.



Contact Details:

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E: pdukino@dukespainting.com.au

W: <http://dukespainting.com.au>

Northern Beaches Council comprises of Manly Council, Pittwater Council and Warringah Council.

NORTHERN BEACHES
COUNCIL

<http://www.northernbeaches.nsw.gov.au/contact>

RKF Engineering Services is a specialist engineering consultancy working within the Australian mining, marine, transport and heavy industry markets. Established in 1987, we've been around for three decades and have offices in Perth, Wollongong and Gladstone.

Contact Details:

T: 02 4225 7519

E: franklinr@rkfes.com.au

W: <http://rkfes.com>



Are you interested in becoming a corporate member of ACRA?
Call us today or click on the link to register online and to view all corporate membership entitlements

Membership means **more.**

Got something to say?

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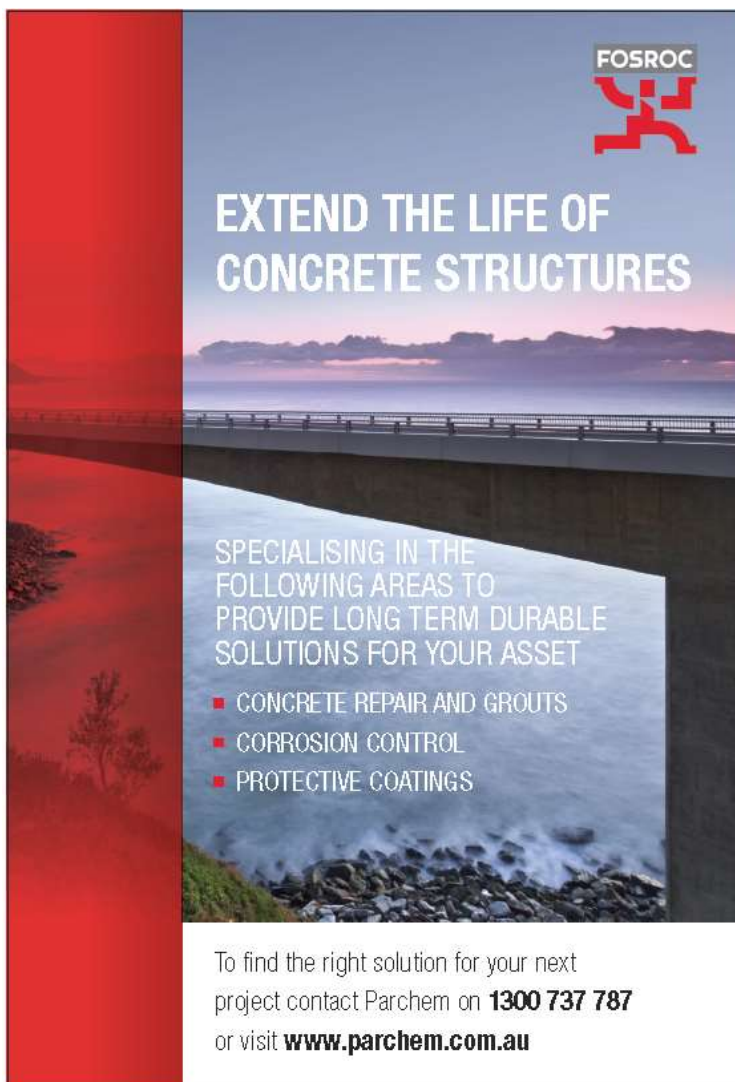
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IS INSIDE STRATA ADVERTISING OFFER

Now is the time to take up Corporate Membership with ACRA. We have a special offer for our next successful Corporate Member. ACRA has been running an advert in *IS Inside Strata* magazine and our next advert will be run in the next edition of *IS Inside Strata*.

Our offer is we will run a ¼ page advert in *IS Inside Strata* which is a national publication.

All you have to do is apply for Corporate Membership, include the correct and enough information in your submission and if your application is approved you'll not only gain access the usual ACRA Corporate Benefits but you'll also get this once of advertising opportunity.



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- CORROSION CONTROL
- PROTECTIVE COATINGS

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ACRA believes that when you invest your time to achieve the best results for your client then the only source of dedicated strata specialists for concrete repairs are our members

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ARUP	GHD
BAAM Consulting	Infracorr Consulting
Bellmont Façade Engineering	Integrated Consultancy Group

Go to **www.acrassoc.com.au**
for searchable list of Consultants, Contractors, Material Suppliers and Asset Owners in Australia and New Zealand
email: info@acrassoc.com.au

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Calendar of Events Mark your diary!

DATE	MONTH	EVENT NAME	LINK
20	OCT	NSW Seminar – Fibres in Concrete (CIA)	http://www.acrassoc.com.au/index.php/events/icalrepeat.detail/2016/10/20/127/12/nsw-seminar-fibres-in-concrete
24-25	OCT	ACA/ACRA Training Course Corrosion & Protection of Concrete Structures (Adelaide)	http://www.corrosion.com.au/Training/Calendar/agentType/View/PropertyID/110
27	OCT	ACRA AGM (members only)	www.acrassoc.com.au
27	OCT	Biannual ACRA Awards	http://www.acrassoc.com.au/index.php/events/icalrepeat.detail/2016/10/27/94/12/acra-biennial-awards-sydney
9	NOV	ACRA Course on Concrete Repair and Protection (Auckland)	www.acrassoc.com.au
10-11	NOV	ACA/ACRA Training Course Corrosion & Protection of Concrete Structures (NZ)	http://www.corrosion.com.au/Training/Calendar/agentType/View/PropertyID/110
14	NOV	Networking drinks in Auckland NZ with ACRA	Come along and have some networking drinks with ACRA in Auckland NZ. Email us to let us know your interesting info@acrassoc.com.au
13-16	NOV	Corrosion & Prevention 2016 NZ	http://acaconference.com.au/
23-25	NOV	Engineering Conference 2016 Brisbane, QLD	http://ausengcon.com.au/
1	DEC	Disasters in Concrete NSW ACRA Seminar Kirribilli Club Lavender Bay Nth Sydney	www.acrassoc.com.au
1	DEC	ACRA NSW XMAS DRINKS Kirribilli Club Lavender Bay Nth Sydney	www.acrassoc.com.au

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17-20	JAN 2017	World of Concrete	https://www.worldofconcrete.com/Attendee/ShowInfo
20-22	MAR 2017	Coast & Marine Structures 2017	www.marinestructures.com.au
22-25	OCT 2017	Concrete 2017 Adelaide, SA	www.concrete2017.com.au

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Rust Spots?**

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- **Speedy and thorough investigation** of the damage
- **Single contact point** to ensure everything runs smoothly
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NEW INDIVIDUAL MEMBERS.....

Name: Rober Jarvis
Pymble NSW

Email: robert.jarvis@pdremedial.com.au

Phone: 0437 211 497

Name: Leighton Smart
St Leonards NSW

Email: info@prosset.coma.au

Phone: 1300 925 590

Corporate Members 2016-2017



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