

**October 2013**

**Build 138 correction**

In the *Build 138* article 'Concrete slabs and control Joints', Figure 2 on page 25 has the damp-proof membrane (DPM) shown above the insulation, which is the wrong location. The correct location for the DPM is under the polystyrene insulation so that the insulation remains dry in service and maintains its effectiveness. Thank you to those who pointed this out to us.

**E2/AS1 hip ridge flashing requirements**

Calls to the BRANZ Helpline indicate that, for profiled metal roof cladding installations where E2/AS1 has been specified as the means of compliance, the requirement to install a butyl underflashing at the hip/ridge junctions (E2/AS1 Figure 43) is not being carried out on site.

The requirement for this underflashing was introduced into E2/AS1 as a result of Amendment 5 in August 2011. If designers and contractors have not already done so, they should ensure that they have downloaded the version of E2/AS1 published in on 24 December 2011, which includes the errata identified after Amendment 5 was published. The document is available free from [www.dbh.govt.nz/compliance-documents#E2](http://www.dbh.govt.nz/compliance-documents#E2).

**Building Act Schedule 1**

Schedule 1 in the Building Act 2004 identifies work that may be carried out without a building consent. Amendments to Schedule 1 were published on 23 December 2010. MBIE has *A guide to building work that does not require a building consent* available on its website, which gives examples and explanations of work that requires a building consent and examples where a consent would not be required.

The document can be downloaded from [www.dbh.govt.nz/UserFiles/File/Publications/Building/Guidance-information/pdf/dbh-guide-for-building-work-consent-not-required.pdf](http://www.dbh.govt.nz/UserFiles/File/Publications/Building/Guidance-information/pdf/dbh-guide-for-building-work-consent-not-required.pdf).

Irrespective of the need for a building consent, all work carried out must comply with the Building Code clauses relevant to that work.

**Compatibility – air seals and bitumen-based flashing tape**

For construction that falls within the scope of E2/AS1, the most common form of air seal used is self-expanding polyurethane foam over a backer rod. Under E2/AS1, the use of a sealant is an option for buildings within the scope of the Acceptable Solution, but sealant use tends to be more common with larger commercial buildings.

A comment to E2/AS1 paragraph 9.1.6 Air seals states: 'Some sealants can react with bitumen based flashing tape, preventing full curing of the sealant. Where necessary, consult sealant manufacturers for application requirements.'

It is also important that flexible flashing tapes are compatible with the flexible and rigid wall underlay they are being adhered to. Flashing tapes must meet the requirements of AC148:2001 *Acceptable criteria for flexible flashing materials*, and wall underlays must meet the requirements of E2/AS1 Table 23.

**Using Tables 4.1 and 4.3 in NZS 3604:2011 *Timber-framed buildings***

When Tables 4.1 and 4.3 in NZS 3604:2011 are being read, there is often confusion over when clause 4.4.4 applies.

To clarify, clause 4.4.4 only applies where copper azole (preservative code numbers 58 for copper azole and 88 for micronised copper azole) or copper quaternary (preservative code numbers 90 for copper

quaternary and 89 for micronised copper quaternary) are used. The use of these treatments will require the upgrading of fasteners as outlined in clause 4.4.4 – typically to 316 stainless steel.

If the timber is copper chrome arsenate-treated (CCA preservative code numbers 01 and 02), use Tables 4.1 and 4.3 – clause 4.4.4 does not apply to CCA-treated timber.

### **ALF 3.2 custom R-values**

When using custom construction R-values for construction systems in ALF 3.2, these need to be supported with appropriate documentation that verifies the claimed R-value, such as a copy of the manufacturer's literature. The verification of the custom R-value for the construction system(s) used should be attached to the ALF 3.2 report so that the BCA has documented proof of the system's construction R-value and therefore can process the application for compliance with Building Code clause H1.

### **Appointment of a new BRANZ CEO Chelydra Percy**

BRANZ Board Chair Dr Helen Anderson recently announced the appointment of the new BRANZ Group Chief Executive Officer, Chelydra Percy. Chelydra comes to BRANZ from Callaghan Innovation where she was General Manager for Future Products and Innovation.

"BRANZ is fortunate to have secured someone as experienced as Chelydra for the CEO position, and we are looking forward to her starting with us on 18 November. The BRANZ Board is excited to be working with Chelydra to continue the growth of the organisation."

Helen continues, "With a strong background in science management and strategic skills developed during her time at Scion and as Chief Executive for the Electricity Supply ITO and Kiwi Star Optics, Chelydra brings an excellent package of leadership skills to BRANZ."

Chelydra says, "BRANZ is a strong and well recognised organisation within New Zealand's building industry. I am really looking forward to working with the team to increase the level of quality knowledge and information we deliver for industry benefit."

### **Ministry of Consumer Affairs Han Hu paint recall**

Enamel paint branded Han Hu does not have instructions to enable it to be used safely and does not comply with the Hazardous Substances and New Organisms Act. It is believed to give off toxic fumes when used. If you have purchased or been supplied this brand of paint, do not apply it. Return it to the outlet it was purchased from for a full refund.

### **Tapware**

BRANZ has had a call to the Helpline regarding a range of tapware currently being sold at outlets that displays the Australian 'WaterMark' quality markings but has not been certified under the WaterMark product certification scheme and should not be marked with the WaterMark label. We are also advised that the taps are being sold in plain boxes without any manufacturers' instructions or brand identification and that their quality is considered to be poor.

### **Cameras – a battery story**

BRANZ recommends that designers and builders always have a camera available so that work progress, materials damaged on delivery, reinforcement placement and the like can be recorded.

Having a second battery is a good back-up when camera use is expected to be heavy, but a word of warning – there are a number of websites with New Zealand web addresses that offer camera, phone and many other types of batteries that are not actually based in New Zealand. From the writer's experience with one particular site (which has a New Zealand return address but is based in Hong Kong), the battery has still not arrived after 4 months of waiting, and emails are not answered. If ordering online, check out the supplier before handing over the money.

### **BRANZ seminars – *Passive Design***

The end-of-year BRANZ seminar will take a fresh look at the wide range of design and construction criteria collectively described as passive design. A key aim of the seminar will be providing tools to enable designers and builders to incorporate passive design features into their buildings to make them warm, dry, well

ventilated and comfortable, while reducing the need to purchase energy for space and water heating and cooling.

The seminar will be structured into sections designed to maximise the benefits of passive design covering, amongst other topics:

- subdivision layout to optimise passive design opportunities
- building siting and planning to enhance passive design features
- benefits of insulation
- providing sufficient thermal mass for effective winter heating while avoiding summer overheating
- use of building form and prevailing winds to enhance cooling and ventilation while reducing the need for mechanically assisted cooling
- using the sun to provide solar water heating and power
- greywater retention and use
- using rainwater and reducing stormwater run-off.

The seminar runs from 1.00–4.00 pm and will be presented by resident BRANZ Architect Trevor Pringle and Greg Burn of Structure Ltd, a design consultancy.

***Seminar dates***

21 October	Palmerston North	Travelodge Hotel
22 October	Wanganui	Kingsgate The Avenue
23 October	New Plymouth	The Auto Lodge Motor Inn
24 October	Hamilton	Waikato Stadium
29 October	Dunedin	Dunedin Centre
30 October	Timaru	The Function Centre
31 October	Christchurch	Addington Events Centre
1 November	Blenheim	Scenic Hotel
5 November	Whangarei	Forum North
6 November	Auckland – North Shore	North Harbour Stadium Function Centre
7 November	Auckland – Mt Wellington	Waipuna Hotel and Conference Centre
11 November	Napier	War Memorial Conference Centre
12 November	Gisborne	The Emerald Hotel
13 November	Tauranga	Trinity Wharf Tauranga
14 November	Rotorua	Rydges Hotel
18 November	Wellington	InterContinental Wellington
19 November	Masterton	Copthorne Hotel and Resort Solway Park
20 November	Upper Hutt	Silverstream Retreat
25 November	Invercargill	Kelvin Hotel
26 November	Queenstown	Crowne Plaza
27 November	Greymouth	Kingsgate Hotel
28 November	Nelson	The Rutherford Hotel

Registration is now available on the [BRANZ website](http://www.branz.co.nz).