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Information Bulletin 87 Concrete Masonry Compliance with Clause H1 - Energy Efficiency



The New Zealand Building Code (NZBC) Clause H1 aims to facilitate the efficient use of energy in buildings. The housing performance requirements state, 'Buildings must be constructed to ensure that their Building Performance Index (BPI) does not exceed 1.55'. Designers can demonstrate compliance with these provisions by either following the Acceptable Solution (H1/AS1), Verification Method (H1/VM1), or by using an alternative solution.

IB87 outlines the various methods to show compliance, while also explaining how solid masonry construction with accessible thermal mass (i.e. with external insulation or using proprietary products) can use the Schedule Method to demonstrate compliance with the NZBC. How to achieve compliance with Clause H1 when dealing with strapped, insulated and lined masonry construction is also outlined. Verification calculations for the strapped, insulated and lined options are appended to the bulletin.

Download a copy of IB87 from the [CCANZ](http://ccanz.org.nz) or the [NZCMA](http://nzdma.org.nz) websites.

Housing Affordability - BRANZ Report

The *Changing House Needs* report considers the factors influencing housing demand over the next 20 years. The first part of the report is on the drivers of demand, the main influences being the changing demographic structure and affordability. The effect on household type, location, ownership and housing type is discussed. The effect of demolitions, major renovations, and second homes (holiday homes, weekenders, etc) are included in the housing consent forecasts. The second part of the report contains the results of a survey of home occupiers, and identifies features important in their house selection.

Download a copy of the report from the [BRANZ](http://branz.org.nz) website.

NZ Concrete Industry Conference 2008

The 2008 NZ Concrete Industry Conference, will be held in Rotorua from 2-4 October. The call for papers is open until 4 April 2008.

The programme will cover all aspects of concrete construction and associated technologies.

For more information contact concrete@bluepacificevents.com

Found Online

CCAA Briefing 01 - Colouring, Stencilling and Stamping Concrete Flatwork

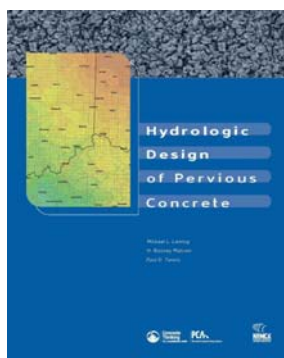
The surface of concrete flatwork (floors and external pavements) can be treated in a variety of ways whilst concrete is passing from its plastic to hardened states. This briefing note discusses various techniques for colouring and /or placing patterns on the concrete surface.

CCAA Briefing 02 - Exposed Aggregate Finishes for Flatwork.

In exposed-aggregate finishes, the aggregates near the surface are revealed, rather than concealed by a thin layer of cement paste. This briefing note discusses techniques that are widely used to expose the aggregate for flatwork applications in floors and pavements.

Download both briefing notes from the [Cement, Concrete & Aggregates Australia's](#) website.

Hydrologic Design of Pervious Concrete



PCA is offering free downloads of *Hydrologic Design of Pervious Concrete* in order to provide designers and specifiers with the latest information on this popular green-building product. The manual will be available at no cost until March 31 2008.

Pervious concrete has been recognized by U.S. Environmental Protection Agency as a best practice for stormwater management. The manual gives civil engineers, landscape architects, and other design professionals guidance in the selection and design of an appropriate pervious concrete pavement system.

Download a free copy from the [PCA](#) website.



Forthcoming Conferences

Australasian Corrosion Association - Corrosion & Prevention 2008 (16-19th November 2008, Wellington, New Zealand)

The Australasian Corrosion Association will be holding its annual conference in Wellington this year, a one-in-seven year event. Concrete-related topics now have a high profile at ACA conferences and typically look at issues around asset management / concrete deterioration and its prevention and repair.

Visit the [Corrosion & Prevention 2008 The Impact of Corrosion on Our Lives](#) website.

CCANZ Library

Recycling and Reuse of Waste in the Construction Industry by Andrea Charlson

Various methods of recycling currently undertaken in the construction and demolition industries are looked at in this article, with concrete singled out as a large element of construction and demolition waste. A recent scheme in Berlin, in which precast concrete panels were reclaimed from a disused building and reused in the construction of a new house, is examined. To test the viability of this scheme it was compared to a masonry house as typically built in the UK, in terms of both material costs and CO₂ generated. The study revealed that the Berlin scheme was 59% cheaper than the UK construction method and produced 68% less CO₂.

To receive a copy of this journal article from *The Structural Engineer*, email: library@cca.org.nz

KEY DATES

March 13

CCANZ Board Meeting / Wellington

April 4

NZ Concrete Industry Conference - close of call for papers

May 21

NZRMCA Council Meeting / Wellington

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Level 6, 142 Featherston Street, Wellington
Tel: (04) 499 8820
Fax: (04) 499 7760
Email: admin@cca.org.nz
Website: www.cca.org.nz