

WADIC

Windows and Doors Industry Council

www.wadic.org.au

NEWS

This issue: Call to join the cause ||| Understanding energy ratings for windows ||| Design flexibility a key message

Call to join the cause

Now with a growing complement of manufacturing and supplier members across Australia, WADIC has been reenergized to support the business performance of timber windows and door manufacturing companies. "We are able to accomplish things that individual companies just can't do by themselves," said WADIC general manager Bronwyn Foord.

She pointed to the WADIC initiated timber windows and doors design manual, currently in draft form as a good example. "Equally, the WADIC Compliance Manual for AS2047 enhances the credentials and marketing capacity of those companies licensed and participating in the program and is a real plus for those WADIC members."

Mrs Foord said important to the future commercial success of industry companies was WADIC's capacity to provide professional, technical representation on the various committees that determine compliance codes and standards that impact on every window and door manufacturer.

"We have set ourselves a challenging series of all to accomplish on behalf of the industry we represent. I really encourage timber window and door manufacturing companies not already members of WADIC to join, support and participate in programs that with WADIC are at the heart of the well being of our industry."

A WADIC membership application form can be downloaded at: www.wadic.org.au

Bronwyn Foord, WADIC President Glenn Johnston and committee members will be visiting Melbourne to run a forum for members. Dates are still to be confirmed, but have been tentatively set for 25-26 February 2009.



Bronwyn Foord, WADIC General Manager – encouraging timber window and door manufacturers not already members to join WADIC.

The Window and Door Industry Council Inc. (WADIC) is a service organisation representing the timber windows and door manufacturing sector. WADIC provides assistance to members to aid compliance with Australian standards and building codes. WADIC promotes the environmental and performance benefits of members' products and provides members with information about energy rating systems. WADIC also acts on behalf of members in representations to governments and regulatory authorities to ensure that members' rights and access to markets are safeguarded.

President – Glenn Johnston

Stockwells Joinery Pty Ltd, Sydney NSW

Vice President – Matthew Baker

Bruce Baker & Co, Kempsey NSW

Secretary – Mark Foord

Fewings Joinery, Sydney NSW

Treasurer – Ian Ramsay

Timbeck Cedar Products, Sydney NSW

Committee

Allen Cox

North Coast Joinery, Forest Glen QLD

John Rule

Dengate Joinery, Tamworth NSW

Matthew Lee

Specialty Timber Traders, Dural NSW

Noel Britt

Timba Windows Pty Ltd, East Keilor VIC

Steven Cameron

Centor Architectural, Sydney NSW

Tino Basso

Tiana Joinery, Hahndorf SA

Understanding energy ratings for windows

No doubt about it says WADIC Secretary Mark Foord; timber is a superior, building material offering architects, designers, builders and consumers unsurpassed natural beauty with outstanding environmental benefits.

To ensure timber maintains its place as the premier product of choice in the design and manufacture of windows and doors, WADIC aims at providing building industry professionals and consumers with information covering every aspect of timber window design, manufacture and performance.

"In today's marketplace, consumers are becoming increasingly knowledgeable about the environmental impacts of decisions they make and designers need to be aware of the performance attributes offered by the window systems they specify. Timber windows are definitely the superior product."

Mr Foord says that in relation to energy efficiency and the environment, timber windows offer significant benefits including, high product performance, superior energy ratings, low embodied energy costs and timber is a natural carbon storage bank.

He says thermal ratings for windows are now

a fundamental part of building legislation. "For window manufacturers, understanding what the rating system means and how a rating is obtained is an essential to business."

Continued over page...



Thermal ratings for windows now a fundamental part of building legislation.

Continued from previous page...

Mr Foord advises that WADIC is working to place members at the forefront of timber window technology development. "With thermal ratings now a key element of window design and manufacture, WADIC members will need to be able to offer consumers and certifiers tangible proof of a window's energy performance."

The window industry in Australia has formed the AFRC (Australian Energy Rating Council) to be the body that will administer a window energy rating scheme for manufactures. WADIC is a member of the AFRC and is represented on the Council by WADIC President Glenn Johnston.

The AFRC has adopted the protocols and procedures that have been developed by the National Fenestration Rating Council (NFRC) in the United States of America for the energy rating of windows and doors. WADIC members will notice a NRFC tag being quoted in conjunction with window energy ratings to signify that a particular rating confirms with NRFC requirements.

"It is essential that all window and door manufacturers become familiar and understand what a U value (heat transfer measure) is and what a SHGC (Solar Heat Gain Coefficient) is, as these terms will soon need to be quoted for every external window and door that is supplied".

Design flexibility a key message

The preparation of a comprehensive timber windows and doors design manual has been commissioned by WADIC and supported by Forest and Wood Products Australia research funding. The manual is being prepared under the direction of the Tasmania University School of Architecture's Greg Nolan.

The manual will detail the three fundamental advantages of designing windows and doors from timber for both residential and commercial applications. The first being the environmental benefit of specifying a renewable material that also stores carbon. The second is the thermal property of timber that acts as an insulator to reduce the 'thermal bridge' caused by windows and doors interrupting the building fabric. The third is the flexibility of timber in design terms, allowing for innovation and creativity in both structural and decorative building elements.

According to WADIC Committee member John Rule from Dengate Joinery, Tamworth, building professionals are increasingly aware of climate change drivers towards sustainable design for architecture. "Sustainable design highlights energy efficiency, water conservation,

healthy indoor environments and reduces the environmental impact through design decisions, including material selection."

He says that in terms of windows, this means working towards high performance windows that contribute to reducing energy use and greenhouse gas emissions. "It also means contributing to the quality of the indoor environment through the provision of sufficient daylight and accessible control over ventilation for building occupants."

Industrial designer at the University of Tasmania's Centre for Sustainable Architecture with Wood, Jennifer Loy says the design manual is aimed at portraying the timber windows and doors industry as forward thinking, knowledgeable and flexible by providing architects, specifiers, project managers, builders

and home owners with in-depth information and inspiration to facilitate the confident specification of timber windows and doors.

The manual will include information on the design and specification of windows, such as developments in glazing and the properties of different timbers. Without being prescriptive, it will also contain detailed illustrations, including 3D drawings showing how window frames are constructed and explain the reasons for different detailing for manufacturing. Examples of window and door configurations will be included as will comprehensive explanatory information, like embodied energy and thermal performance of windows and doors and guide sheets for on-site instruction on practical matters, such as storage on-site and maintenance.

Dr Loy believes the manual will greatly assist designers to work more confidentially collaboratively and effectively with window and door manufacturers. "When completed, the manual will help in improving the confidence of architects when specifying timber windows and door by explaining the logic and variables behind all the necessary design decisions."

It is anticipated that a draft manual will be completed by the end of January 2009. There will then be further consultation and verification with window and door manufacturers.



Design manual will contain in-depth information and inspiration to facilitate the confident specification of timber windows and doors.

WADIC

Windows and Doors Industry Council

Contact Us

Bronwyn Foord General Manager

609 Gardeners Rd Mascot NSW 2020

Telephone (02) 9700 8798

Fax (02) 9700 8807

Email (General Enquiries)
info@wadic.com.au

Email (Member & other contact)
admin@wadic.com.au

Newsletter Editor

John Halkett

For editorial enquiries contact:

phone 02 9356 3826

email halkettj@netaus.net.au

Newsletter Design

Emigraph Creative



Printed on 100% recycled paper