

MEDIA RELEASE: AS2627.1(1993) – WITHDRAWN STANDARD – January 2007

The Standard AS2627.1(1993) "Recommended levels of Insulation" was formally withdrawn by Standards Australia in January 2007.

Verification of this can be seen on:

<http://www.saiglobal.com/shop/script/Result.asp?DegrnKeyword=AS2627&Db=AS&SearchType=publisheronly&Status=all&Max=15&Search=Proceed>

This effectively means that AS2627(1993) is no longer a reference document for any purposes either governmental or private use, and must not be used for any building design advice.

Publications requiring amendment include:

*AGO (Australian Greenhouse Office): YOUR HOME Technical Manual (3rd edition 2005)

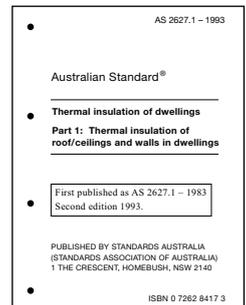
<http://www.greenhouse.gov.au/yourhome/technical/fs16a.htm>

Table: "Additional Key References" - AS2627(1993)

*Sustainability Victoria: Insulation Fact Sheet -pgs 6&7 (version 14/8/2006)

http://www.sustainability.vic.gov.au/resources/documents/Insulation_types.pdf

Table: "Locality-Added R-value" based on AS2627(1993)



AFIA – Aluminium Foil Insulation Association, through its position as a voting member on Standards Committee BD58, in 1999 instigated the action to withdraw AS2627(1993) as an Australian Standard.

AS2627(1993) was a flawed Standard, skewed completely towards the promotion of fibre based bulk insulation, and based on a dubious complex mathematical methodology for arriving at the recommended R-values for ceilings, which did not include radiant barrier foil insulations. This always was the basis and prime objection of AFIA.

Another equally damning feature of AS2627(1993) was the highly limiting factor that the document could only be used for houses which were heated and cooled – based on whole house central refrigerative cooling. In other words, AS2627 had a restricted use and could not be used as a reference document for naturally cooled or evaporatively cooled houses – this was expressly stated in the document.

Climate Change is in the news every day and when reducing energy use for heating and cooling, energy efficiency agencies should no longer be referencing AS2627(1993), because:

- it was formally withdrawn in January 2007
- it was based on the most expensive form of cooling – refrigeration, which consumes the greatest amount of electricity compared to other forms of cooling
- it's "restricted" use for fully air-conditioned houses alone was never made clear by governmental agencies
- reflective foil insulations were deliberately excluded as an insulation option in the methodology of calculating recommended R-values in ceilings

Houses enveloped in aluminium foil radiant barrier insulations will succeed in reducing energy needed for cooling by air-conditioning, by greatly reducing summer radiant heat penetration. Natural ventilation or any form of mechanical cooling, such as ceiling fans, will very often suffice.

For more information of the efficiency of aluminium foil insulation visit:

www.concertinafoilbatts.com or contact: Tim Renouf - info@concertinafoilbatts.com

AFIA – Aluminium Foil Insulation Association Inc.(Vic) www.afia.com.au