

## Eco-Challenge

HIGH PERFORMANCE KINGSPAN KOOLTHERM®  
HELPS ACHIEVE 8 STARS



*Low Energy –  
Low Carbon Buildings*

# Eco-Challenge

## Project Summary

<b>Project:</b>	Eco-Challenge
<b>Location:</b>	Rose Bay, NSW
<b>Developer:</b>	Australian Living
<b>Application:</b>	Walls
<b>Year:</b>	2010

## Description

Australian Living is leading the way forward by using smart insulation strategies to assist in achieving an 8-Star home (equivalent for thermal comfort) as part of the Australian Living Eco-Challenge in Rose Bay, NSW.

Mr. Cameron Rosen owner of Australian Living explains. "From the outset, insulation was to play a key role in assisting us to design our 8-Star home (for thermal comfort). Working closely with a thermal comfort assessor, we determined what insulation strength we required to achieve our sustainable goal. We also determined where we needed to insulate so we decided to insulate under the concrete slab, internal and external walls, under the first floor slab and the roof."

Mr. Rosen continues, "Another goal was to maximise floor space. We then went on a global search to find the best insulation for our needs. We were looking for insulation that not only met our required R (resistance) Value, but was health aware, environmentally friendly and produced by a company who lives and breathes sustainability."

Kingspan Insulation's **Kooltherm**® K10 was selected for the project and Mr. Steve Huxham, Business Development Manager for Kingspan Insulation, says the company is delighted to have been involved.

"Kingspan Insulation is very pleased to be associated with Australian Living. *Kingspan Kooltherm*® K10 insulation was installed internally and externally to various wall configurations (concrete and timber frame) to dramatically improve the thermal efficiency of the homes, helping one of the homes achieve its 8-star equivalent thermal comfort rating.

"Australian Living are innovators in the home building industry and it's great to see a company thinking outside the box and developing true energy efficient homes," he says.



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