

## 6 STAR ENERGY RATING

### ENERGY EFFICIENCY PROVISIONS FOR HOUSING

The energy efficiency provisions for housing (Class 1 buildings and certain Class 10 buildings) are contained in the National Construction Code (NCC) Volume Two.

The objective of the provisions is to reduce the greenhouse gas emissions.

From 1 May 2012 new houses are required to achieve a minimum energy rating of 6 stars. The provisions contained in the NCC Volume Two now take into account the:

- performance of the building fabric;
- external glazing and shading;
- sealing of the building;
- effects of air movement; and
- performance of the building's domestic services, including hot water supply, insulation and sealing of ductwork and central heating water piping, space heating, artificial lighting and the heating and pumping of swimming pools and spas.

The required level of thermal performance for housing can be achieved by:

- complying with the relevant Deemed-to-Satisfy Provisions of the NCC Volume Two; or
- by reducing the heating or cooling loads and complying with specific energy-saving features such as testing and installation of insulation, thermal breaks, compensation for down lights, floor edge insulation and building sealing. An accredited assessor may be able to assist with this.

#### TOOLS

The Australian Building Codes Board (ABCB) has developed glazing calculators and lighting calculators to assist in applying the Deemed-to-Satisfy provisions.

For further information on Energy Efficiency please contact the following:

Australian Building Codes Board: [www.abcb.gov.au](http://www.abcb.gov.au) or 1300 134 631

Building Commission: [www.buildingcommission.wa.gov.au](http://www.buildingcommission.wa.gov.au) or 1300 489 099

For further information on accredited assessors, visit the Association of Building Sustainability Assessors at [www.absa.net.au](http://www.absa.net.au)