

## QUEENSLAND DEVELOPMENT CODE

The Queensland Development Code (QDC) provides flexibility to achieve compliance with the 6-star housing requirement, offering a number of different alternative solutions.

- Software Assessment - Minimum 6 Star
- Software Assessment – Minimum 4.5 Star rating with nominal credits to achieve a total of 6 Stars.
- Building Code of Australia (BCA) 2009 Deemed-to-Satisfy (DTS) Assessment with a 1 star nominal credit
- BCA 2010 DTS Assessment
- Verification using a reference building (VURB) Assessment
- Peer review

## COMPLIANCE METHODS

**Software** - A software tool (BERS Pro, AccuRate or FirstRate5) accredited under the Nationwide House Energy Rating Scheme (NatHERS) may be used to model the proposed building to predict the design's thermal performance on a scale of 0 to 10 stars.

**Deemed-to-Satisfy** – Ensuring that each building element meets the minimum prescriptive requirements under parts 2.6 and 3.12 of the BCA.

**Verification** - Using a theoretical reference building, which is a building modelled with the DTS provisions, to determine an annual energy consumption as a benchmark. The proposed building is then calculated using a set of fixed parameters and compliance is verified if the proposed building achieves an annual energy consumption equal to or less than that of the reference building.

**Peer review** – An expert in building design and energy efficiency, who is recognised by Building Codes Queensland (BCQ), may be consulted to provide evidence of compliance with the performance requirements of the BCA.

## NOMINAL CREDITS

**½ Star** – Compliant outdoor living area\* with a roof that achieves R1.5 for downward heat flow.

**1 Star** – Compliant outdoor living area\* with a roof that achieves R1.5 for downward heat flow and a permanently installed ceiling fan with a speed controller and blade diameter no less than 900mm.

**1 Star** – Photovoltaic (PV) solar system of at least 1kW in capacity.

**\*Outdoor living area** –

- A space directly accessible from and attached to a living area.
- Minimum 12m<sup>2</sup> in floor area and a minimum dimension in all directions of 2.5m.
- Covered by an impervious roof.
- Two or more sides open or capable of being readily opened.