

October 2011 Volume 47 Number 9

www.bpn.com.au

Reed Business Information

# BPN

BUILDING PRODUCTS NEWS

BPN SUSTAINABILITY AWARDS:

## Finalists edition

**FLOORING:**  
CONCRETE ANSWERS  
AT YOUR FEET

**AIR-CONDITIONING & VENTILATION:**  
COMMUNICATE AND  
KEEP YOUR COOL

**PRINCE HENRY AT LITTLE BAY****SUBMITTED BY LANDCOM**

The brief was to rejuvenate the dilapidated Prince Henry hospital site at Little Bay with a new residential and community precinct, by balancing the old and the new, whilst also creating a showcase of coastal urban renewal and ecological sustainability. The landscape links to the buildings, heritage elements, open space, wild life corridors and water sensitive urban design strategy.

**INITIATIVES:**

- developed a Water Sensitive Urban Design Strategy which addresses water quality, flow management and storm water harvesting for irrigation
- the cost of the sustainability initiatives was approximately \$20,000
- buildings have orientations, sun shading and cross ventilation to reduce air conditioning
- Community Centre has a green roof, which acts as insulation, softens the scale of the building and connects it to the surrounding landscape
- achieved an average BASIX score of 40
- solar access and shading
- gas boosted solar/5-star gas water heaters
- balanced flue 5-star gas space heaters
- energy and water efficient appliances and energy efficient lighting
- recycling within the landscape supplies 95 per cent of public open space irrigation and 70 per cent of the golf course needs
- grey water recycling and efficient appliances save 60 per cent potable water
- demolition and civil works achieved 95 per cent reuse and recycling (after hazardous materials)
- building construction waste to landfill was reduced by 85 per cent

