




| Basix Requirements Summary  |   |  |   |   |   |
|---|---|--|---|---|---|
| New Dwelling<br>23 Chelmsford Avenue<br>BANKSTOWN NSW 2200  |   | Prepared by Chapman Environmental Services<br><a href="http://www.cesenergy.com.au">www.cesenergy.com.au</a><br>1300 004 914 |   |  |  |
|    |   |  |   |   |   |
| Water Target  | 40  | Water Score  | 45  | Conditioned Area  | 265.4   |
| Energy Target   | 72  | Energy Score   | 72  | Unconditioned Area  | 20.5  |
| Max H & C Loads are (MJ/m²)   | 30  | Actual H & C Loads are (MJ/m²)   | 28.4  | Star Rating   | 7.2   |
| Basix Commitments   |   |  |   |   |   |
| Landscaping   | Total area of garden & lawn (m²) 100  |  | Area of indigenous/low water use plants (m²) 0      |   |   |
| Fixtures  | Shower heads 4 star (> 6 but <= 7.5 L/min)  |  | Toilets 4 star                                      |   | All taps 4 star   |
| Alternative Water   | Minimum Rainwater tank size (L) 3000  |  | Collect run off from roof area of at least (m²) 100 |   |   |
|   | Toilet connection<br>No   | Laundry connection<br>Yes  | Landscape connection<br>Yes                         | Pool top up<br>n/a  | Spa top up<br>n/a   |
| Pool and Spa  | Max pool volume (kL)  |  |   |   |   |
| Energy  | Hot water system  | Electric heat pump - air sourced   |   | Rating  | 26 to 30 STCs   |
|   | Bathroom ventilation  | Individual fan, ducted to facade or roof   |   | with  | Manual switch on/off  |
|   | Kitchen ventilation   | Individual fan, ducted to facade or roof   |   | with  | Manual switch on/off  |
|   | Laundry ventilation   | Individual fan, ducted to facade or roof   |   | with  | Manual switch on/off  |
|   | Cooling - living areas  | Ceiling fans + 1-phase airconditioning   | Rating  | EER 3.0 - 3.5   | Zoned   |
|   | Cooling - bedrooms  | Ceiling fans + 1-phase airconditioning   | Rating  | EER 3.0 - 3.5   |   |
|   | Heating - living areas  | 1-phase airconditioning  | Rating  | EER 3.0 - 3.5   |   |
|   | Heating - bedrooms  | 1-phase airconditioning  | Rating  | EER 3.0 - 3.5   |   |
|   | Alternate Energy  | Photovoltaic system able to generate at least  |   | n/a   | peak kilowatts of electricity   |
| Electric cooktop & electric oven  |   | Outdoor clothesline required   |   | No indoor clothesline required  |   |
| Thermal Performance Assessment Based on the Following Requirements  |   |  |   |   |   |
| Floor Types   | 35mm Alpha panel flooring system  |  | with  | R2.0 insulation   |   |
| Floor Coverings   | Tiles   | Living / Wet areas   |   | Timber  | n/a   |
|   | Carpet  | Bedrooms   |   | Concrete  | Garage  |
| External Walls  | Timber framed 75mm Hebel clad   |  | with  | Sarking and R2.5 bulk insulation  |   |
|   |   |  |   | Colour  | Medium/Dark   |
| Internal Walls  | Plasterboard  |  | with  | R2.5 bulk insulation to garage internal walls only                                  |   |
| Ceiling (floor over)  | 35mm Alpha panel flooring system  |  | with  | R2.0 bulk insulation  |   |
| Ceilings (roof over)  | Timber above plasterboard.  |  | with  | R3.5 bulk insulation (exc garage)   |   |
| Roof  | Metal   | 5 degrees  | with  | R1.3 roof blanket (exc garage)  |   |
|   |   |  |   | Colour  | Medium  |
| Windows and Doors   | AF double glazed clear  |  | Sliding W   | VAN-003-02  | U-Value 4.70 or less  |
|   |   |  | Awning W  | AWS-008-25  | U-Value 3.40 or less  |
|   |   |  | Fixed W   | AWS-069-08  | U-Value 3.60 or less  |
|   | to all windows and glazed doors unless noted otherwise                            |  | Sliding D   | AWS-013-21  | U-Value 3.00 or less  |
|   |   |  | Hinged D  | AWS-019-01  | U-Value 4.10 or less  |
|   |   |  |   |   | SHGC 0.52 +/- 5%  |
|   |   |  |   |   |   |
| AF = Aluminium Framed   |   | TB = Thermally Broken Aluminium Framed   |   | TF = Timber Framed  |   |
| <i>If the Universal Certificate indicates downlights, then these are to be non-ventilated LED / fluorescent</i><br><i>Any exhaust fans noted are to be fitted with self-closing dampers or be otherwise sealed</i><br><i>All insulation specified must be installed in accordance with Part 3.12.1.1 of the BCA</i><br><i>If there is a discrepancy between this document and the Natthers Certificate, then the Natthers Certificate shall take precedence</i> |   |  |   |   |   |
| Notes   | 2x Ceiling fans to lower and upper living areas<br>1x Ceiling fan to all bedrooms |  |   |   |   |

