



CONSTRUCTION SPECIFICATIONS

Passive Solar 9.1 Star Design

- Rectilinear floor plan with extrusion on west and east to facilitate northern sunlight penetration and crossflow ventilation
- Raked roof for passive solar gain and light well
- Inverted truss homogenised to provide for insulation
- Solar PVC system also facilitates northern shading
- Strategically placed windows to facilitate passive cooling

Thermal Mass

- Reverse brick veneer with 100% recycled brick
- Burnished concrete floor with 10% of cement content replaced with fly-ash and slag

Renewable Energy Systems

- 6Kw Photo Voltaic Solar system with 4.8Kw battery storage
- Energy monitoring system with master switch to reduce power standby
- LED lighting
- Sanden Eco Hot Water Pump
- Electric Vehicle Charge Point

Water Saving Systems

- 4 Star WELS rated plumbing fittings throughout
- 10,000 litre rainwater tank for harvesting
- Water saving native gardens

Building Materials

- Thermally broken double glazed windows
- Green tag Certified Weathertex cladding
- FSC certified timber frames and trusses
- Enviro-plaster with 10% recycled content
- Recycled glass insulation

Indoor Air Quality

- Zero Emission joinery
- Low VOC paint, stains and carpets
- Ceiling fans to and cross flow ventilation

CORE 9.1 STAR HOME

The first prototype home is the CORE 9.1 star home situated at Lot 15 Noonflower close Cape Paterson, Victoria.



E TOOL LIFE CYCLE ASSESMENT

An independent Life Cycle Assessment has been completed to calculate the greenhouse gas emissions of the CORE 9.1 star home. According to IPCC reports the home has achieved an etool Gold rating on the Environmental Sustainability Scale which translates to 1,233 kgCO₂e per year per occupant.

Over the life span of the CORE 9.1 the home will emit 544 tCO₂e less than average or standard buildings providing the same functionality. This is equivalent to:



3,263

trees planted



143

cars taken off the road for a year



73

zero energy Australian homes for a year



16,000,000

balloons of CO₂ gas removed from the atmosphere



Wonthaggi Office

332 White Road
PO Box 825

Wonthaggi Victoria 3995

tel. 03 5672 5196

fax. 03 5672 1924

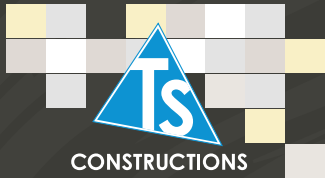
email. studio@beaumontconcepts.com.au

www.beaumontconcepts.com.au

IN COLLABORATION WITH:

Dave Leggett - Designer

Sharyn Blakemore - Phillip Island Energy Rating



Wonthaggi Office

4 Mortimer Street
PO Box 267

Wonthaggi VIC 3995

tel. 03 5672 2466

fax. 03 5672 2535

email. admin@tsconstructions.com.au

www.tsconstructions.com.au

CORE INTERIOR SUPPLIERS

To compliment the sustainable sentiment of the CORE 9.1 star home we have a showcase of hand made and locally sourced products throughout the home.

In keeping to the CORE values each supplier has been hand chosen based on the below CORE criteria:

- Hand made
- Made from recycled content
- Upcycled
- Ethically made

Thank you to all our local suppliers:

Kyash Cubes - Concrete Dining Table

Create it with Concrete – Concrete Coffee Table

Maryanne Plenkovich – Coastal Artworks

Wick and Folk – Knitted Homewares

Mr Draper – Handmade Bed Linen

Ink and Spindle – Handmade Textile Cushions and Ottomans

Seljak – Wool Throws

South Coast Furnishings – Floor Rug

Maxwell Dunn Upholstery – Reupholster of sofa

Tilly and Sea – Indoor Plant Styling

Lume Photography – Brochure images

Zen Crafted Pottery – Ceramics

3&me designs – 100% linen printed

Made by Tori – Side tables

Tuscan Outdoor Tables – Stools and side tables