

BUSHFIRE, BUILDING & MAINTENANCE

Sustainable Building & Retrofitting for Energy Efficiency

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Website



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Sustainable Building & Retrofitting for Energy Efficiency

GreenSmart

GreenSmart is a way of building which is respectful of the environment and its inhabitants

GreenSmart

- is a registered brand of the Housing Industry Association (HIA) to promote practical, affordable, durable environmental solutions for residential design and construction.

- HIA GreenSmart is about designing, building or renovating a home to include principals which help conserve the earth's resources and provide a healthy home for its occupants.

- It will incorporate innovative design to minimise ongoing running costs of your home whilst still providing a comfortable living environment all year round.
- A warmer house in winter, a cooler house in summer.
- Reduce waste and enhance efficient use of materials on site. More cost effective building and less waste.
- Avoid the use of non-renewable materials.

Reference Books

Greensmart guide notes book

- For designing and building new homes and renovating projects.
- Free download from HIA
- http://hia.com.au/upload/hia/documents/greensmart/1365_gs_guidnotesbook_150710.pdf
- Contents
- Heating and Cooling Homes Naturally
- Glazing and Frames
- Insulation
- Indoor Quality
- Hot water systems
- Lighting
- Water Conservation and Alternative Supplies
- Using Raw, Reconstituted or Recycled Materials for Cabinetry and Bench Tops in the Home
- Termite Management
- Universal Design Principals and Practice
- Alternate Construction Systems

HIA GreenSmart Home Owner Manual

- Purchase from HIA online. PDF version Cost \$10.00
- Living in your home with an environmental awareness
- This manual informs you how you can operate your new or renovated home in a manner that
- can help to reduce your demand on natural resources and achieve financial savings by being
- more efficient, while still living in a healthy and comfortable home.
- The manual focuses on energy and water conservation, waste reduction across daily living,
- maintenance of fittings and appliances, healthy indoor environment, and steps to be taken
- while you are away on holidays.

YOUR HOME Technical Manual

Fourth Edition

This is a collaborative project of the government and the building and design industry. The project was managed on behalf of the Your Home Steering Committee by the Department of Climate Change and Energy Efficiency.

Contents

- .Introduction
- .Sustainable Communities
- .Design for life
- .Passive design
- .Material Usage
- .Energy Usage
- .Water Use
- .Case studies
- .Your home Check List
- .Index

Sun position Calculator

- <http://pveducation.org/pvcdrom/properties-of-sunlight/sun-position-calculator>
- For the orientation of buildings and working out the location of deciduous shade trees for summer shading

Useful websites

- Australian Conservation Foundation-Green Home Program
- www.acfonline.org.au/default.asp?section_id=86
- Climate Smart Queensland
- climatesmarthome.qld.gov.au
- Department of Climate Change and Energy Efficiency
- www.livinggreener.gov.au
- Electrical appliances
- www.energyrating.gov.au/appsearch/default.asp
- Gas appliances
- www.energyrating.gov.au/gas.html#gas2
- HIA
- www.hia.com.au
- HIA GreenSmart
- www.greensmart.com.au

- Sustainable Gardening Australia
- www.sgaonline.org.au/
- Sustainability Victoria
- www.resourcesmart.vic.gov.au
- Water ratings
- www.waterrating.gov.au/products/index.html
- Your Home Manual
- www.yourhome.gov.au
- Sustainability Victoria – Householder information
- www.sustainability.vic.gov.au/Services-and-Advice/Households