



# greenstar

## Future Focus

### Buildings

Available now

### Homes

Available now

### Performance

Mid 2022

### Communities

Mid 2023

### Fitouts

2022-2023

#### Future Focus Partners

##### Silver Partners



##### Supporting Partners



##### Technical Partner





## Green Star Buildings

Submission Guidelines



# greenstar

## Buildings

Green Building Council Australia

GREEN STAR GREEN STAR HOMES COURSES & EVENTS POLICY MEMBERSHIP About

Green Star Rating system

Buildings / Homes / Communities / Performance / Interiors / Legacy tools / Design & As Built / Railway Stations / Roles and resources overview / Volume Certification Pathway / Multiple Building Single Rating (MBSR) / [Responsible Products Framework](#)

### Responsible Products Framework

Burwood Brickworks, VIC, Frasers Property Australia and Australand Holdings, QLD  
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All Green Star rating tools released from 2020 include credits that seek to reward the use of products that meet the criteria set out in our Responsible Products Framework (Framework). Rating tools released prior to 2020 will continue to use the original process.

The vision of the Framework is to drive the supply chain to deliver transparent, healthy, low-impact and net zero carbon products that are part of a circular economy. The Framework outlines criteria for scoring how 'responsible' a product is, to support the built environment industry in adapting to and driving this change.

The Framework is currently used to recognise initiatives that a product or manufacturer can comply with for the purposes of contributing to a Green Star certification.

## Version 1 Revision B

New benchmarks for the Responsible products credits to promote uptake and engagement with the Responsible Products Framework

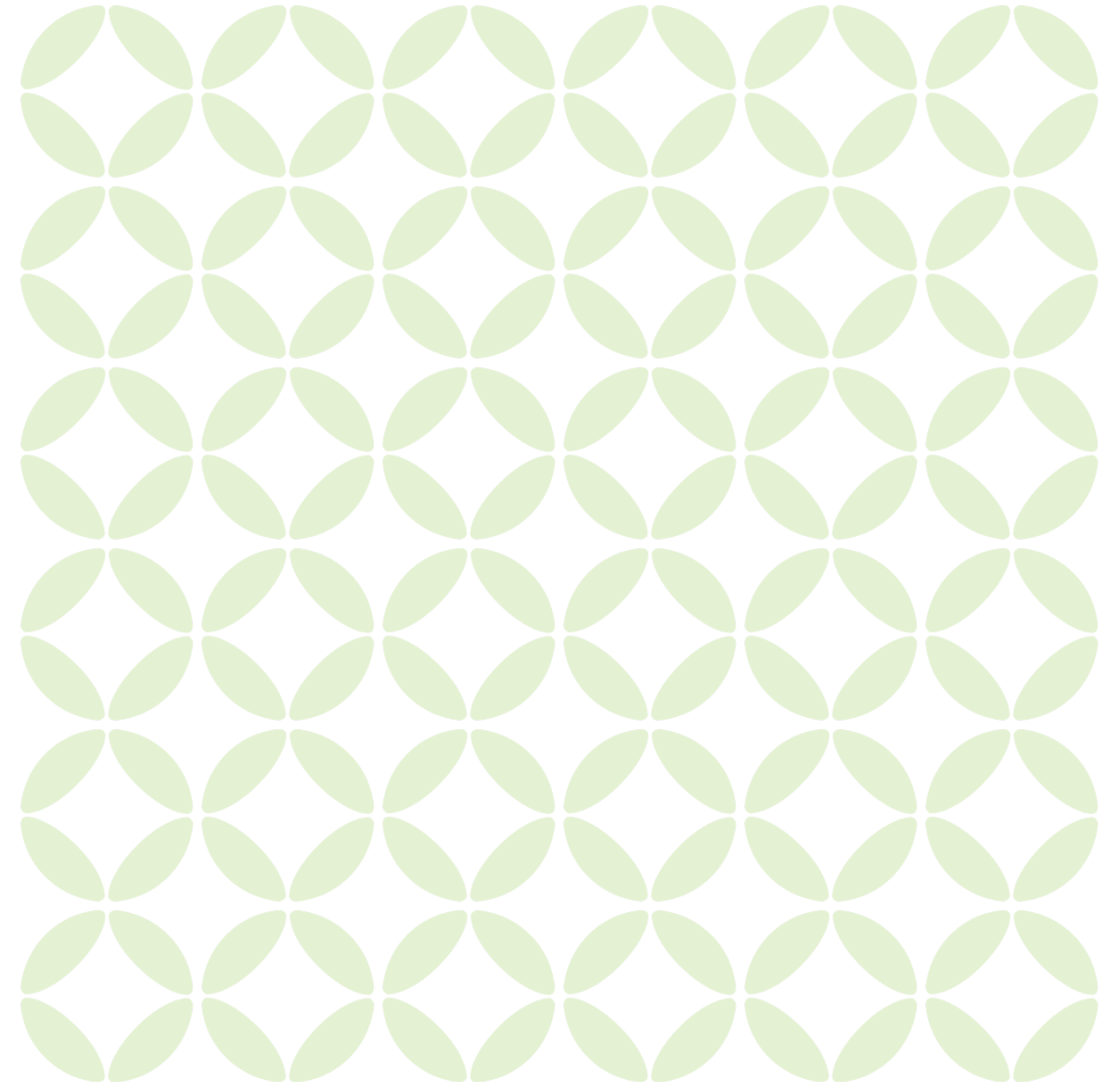
Available December 3rd



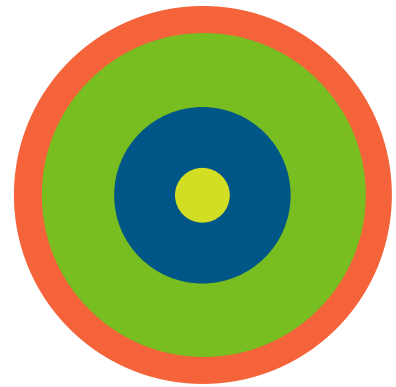
# What you should know about



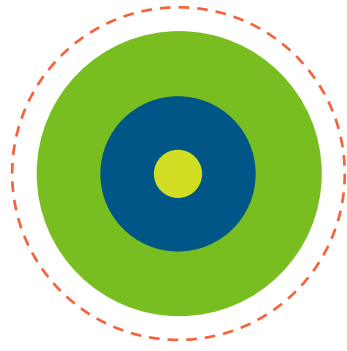
1. Delivers a new definition of a sustainable building
- 2. Meets the Paris Agreement**
3. Responds to sustainability megatrends
- 4. Drives opportunities for supply chain transformation**
5. Creates clear expectations for new buildings



# Delivering Climate Positive Buildings



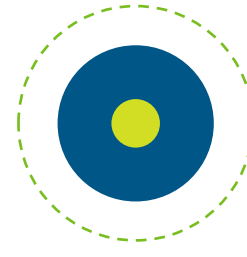
Standard building



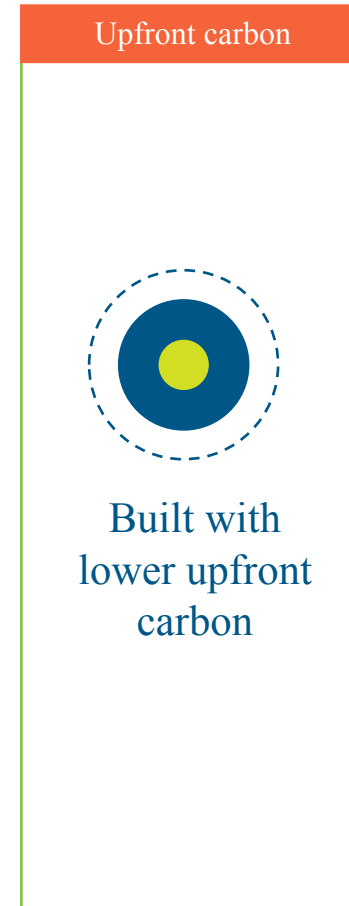
Fossil fuel free



Highly efficient



Powered by renewables



Built with lower upfront carbon



Offset with nature

## Legend

| GHG EMISSIONS                         | USED FOR   |
|---------------------------------------|--|
| <span style="color: red;">■</span>    | Space heating, domestic hot water and cooking.   |
| <span style="color: green;">■</span>  | Ventilation, cooling, lighting, pumps, small power, lifts, security, controls, and IT systems. |
| <span style="color: yellow;">■</span> | Emergency (backup) power, and refrigerants.  |
| <span style="color: blue;">■</span>   | Emissions from products and materials used in construction and from construction activities.   |

# Drives opportunity for supply chain transformation

**Green Star Buildings** aims to create market demand for innovative, responsible, and low carbon products.



## **Creating a drive for low carbon products**

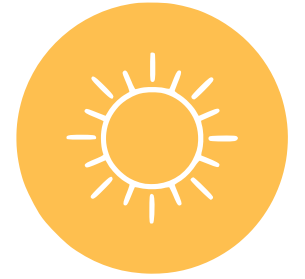
Green Star Buildings introduces a new minimum expectation to ensure all buildings are built with good design choices and lower carbon products.



## **A new definition for responsible products**

Our new Responsible Products Framework aims to reward products that have lower environmental impact, are transparent, respect human rights, and are taking action to reduce in carbon content.

# Upfront Carbon & Life Cycle Impacts

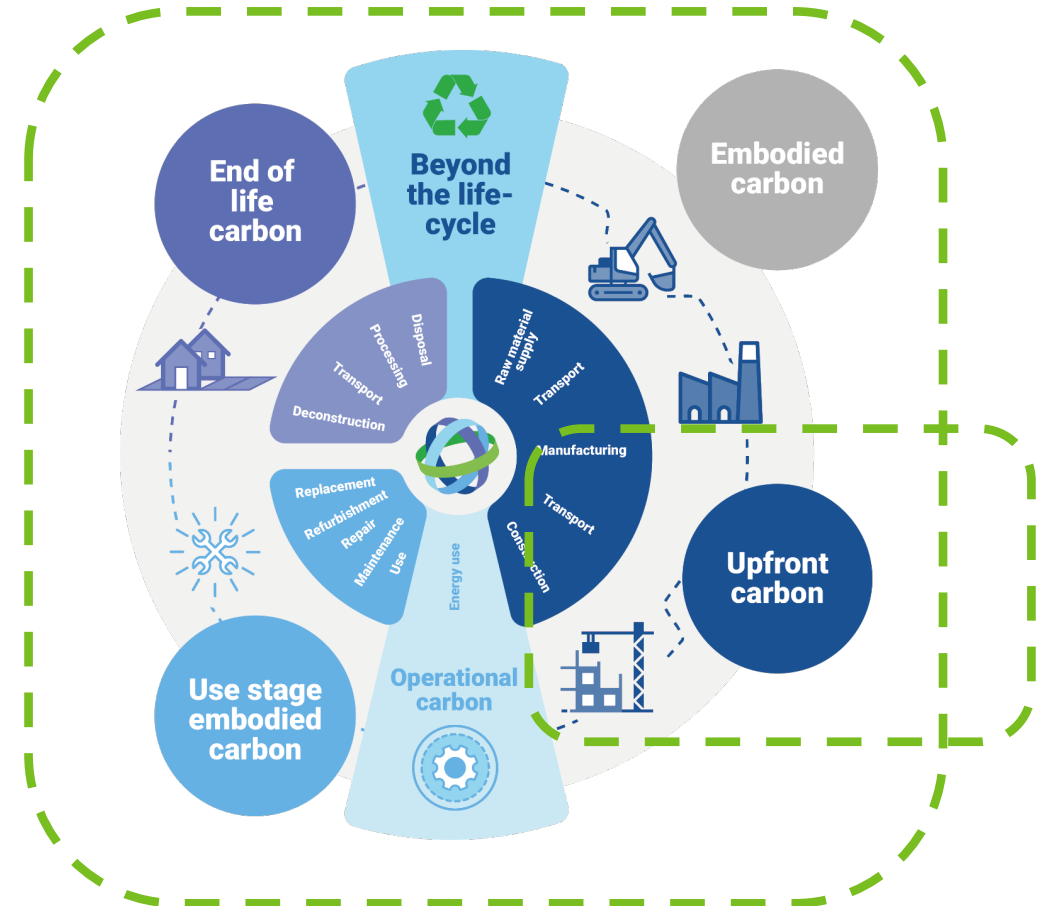


## Life Cycle Impacts

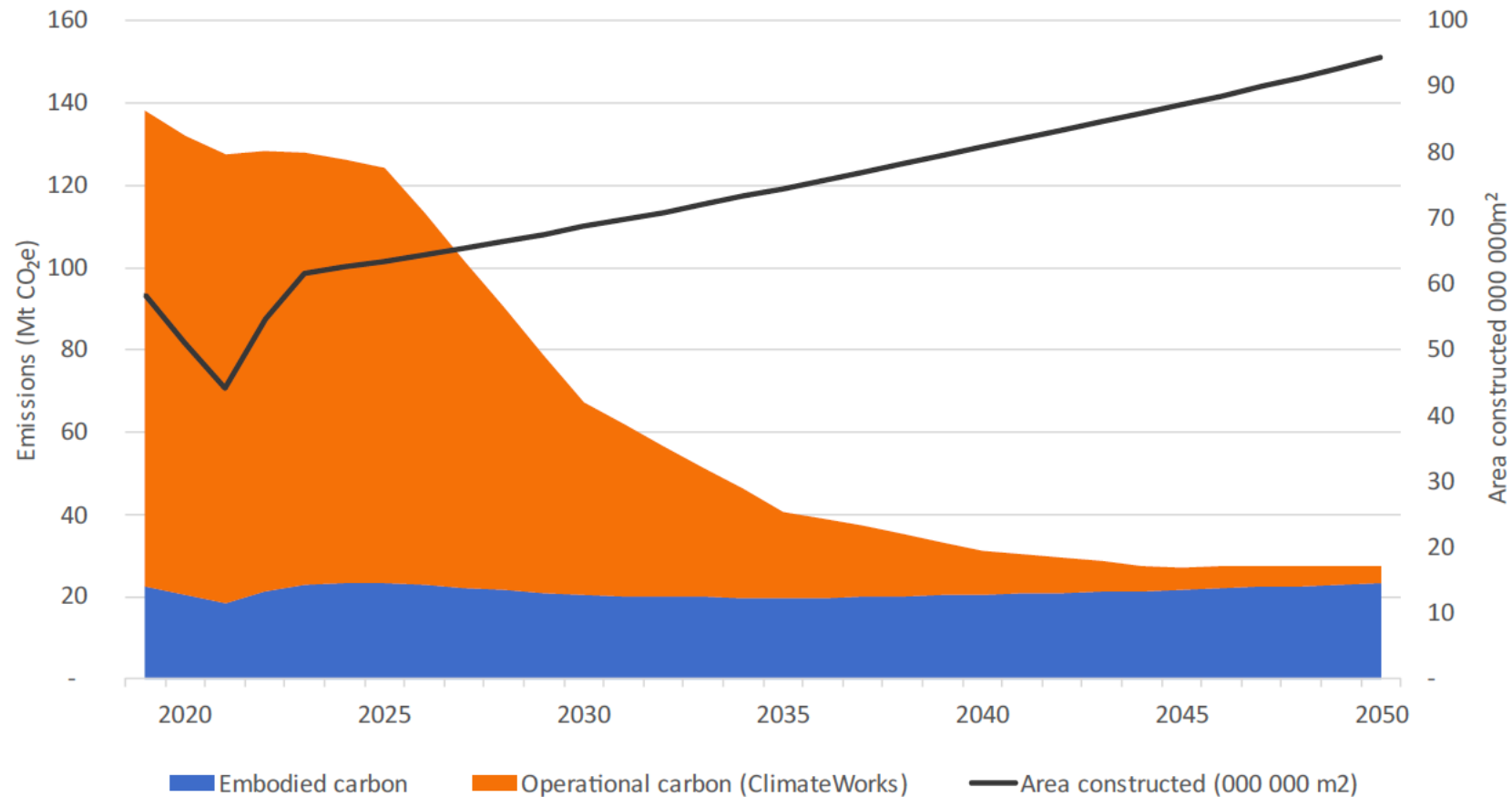
- Full life cycle assessment

## Upfront Carbon Emissions

- Modules A1-A5

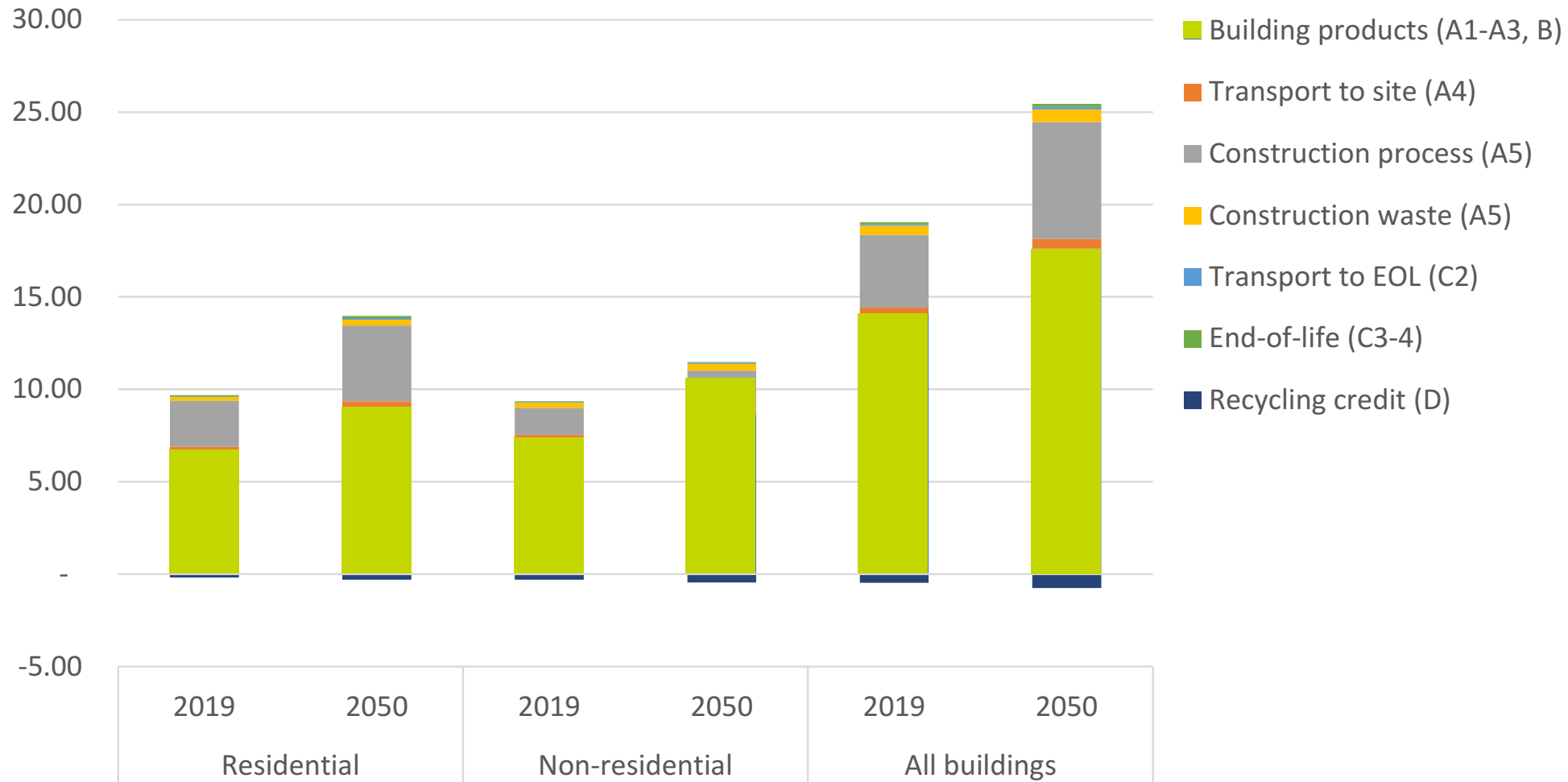


# Embodied and operational carbon emission in Australian buildings over time



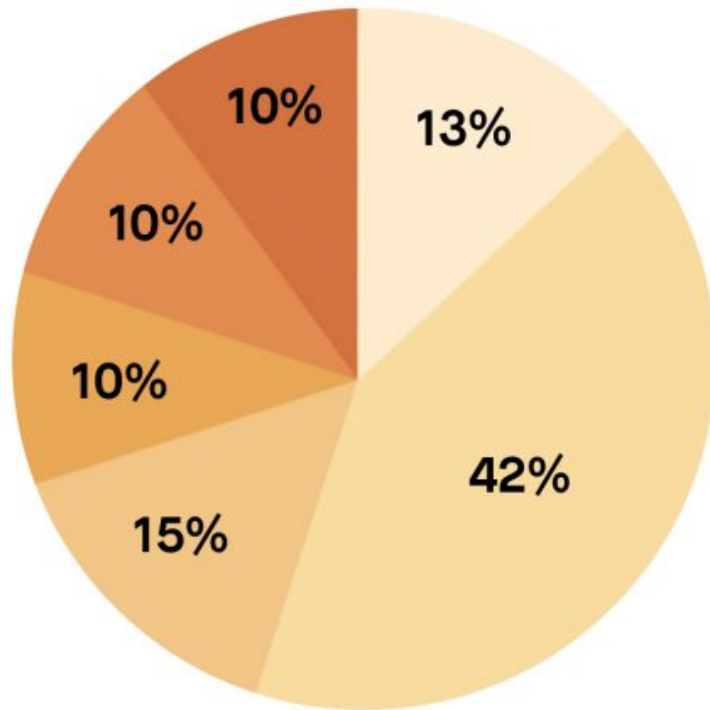
# Embodied carbon at the national level

Breakdown of emissions split across a lifecycle stage





# Embodied carbon at the building level



- Substructure 13%
- Superstructure 42%
- Cladding 15%
- Fit out 10%
- Mechanical and electrical 10%
- Transport and construction 10%

SOURCE: GREENGAGE

**Typical office building**

# Recognising responsible products

Green Star Buildings encourages action today to create opportunities for future transformation in four distinct building components



## Responsible

Responsible structure

Responsible envelope

Responsible systems

Responsible finishes

## Responsible Product Framework

Used to determine the Responsible Product Value

### Responsible

your product's impacts and content are transparent and meet high standards

### Healthy

your product is low or non-toxic and drives valuable social outcomes.

### Positive

your manufacturing process avoids significant environmental impact, and delivers net zero products.

### Circular

your product is ready for low-carbon production and the circular economy

### Leadership

Rewards additional achievement for issues critical to the built environment

# A call to action

It is imperative that you request (or develop) either an Environmental Product Declaration for your product or participate in delivering information required for TM65. This information will be fundamental for large developments today and in the future.