

# IMPACTS OF CONSTRUCTION



## CO2

Average new home  
Embodied CO2  
~200Tonnes

## THINK LOW CARBON

### High Impact Actions

- Review SBA Roadmap Step 2 for practical steps to minimising embodied carbon on your builds
- Specify min. 30% cement replacement in your concrete with slag &/or flyash double & triple blends
- Source certified carbon neutral/offset products (currently available in concrete, masonry & plaster)
- Use & support products with EPDs



STEP 2

## Waste

39% of all waste in Australia is  
from Construction & Demolition  
(29M tonnes)

## THINK CIRCULAR

### High Impact Actions

- Where possible re-use brick and timber (& other suitable items) from demolition in new build
- Choose recycled content products wherever available
- Design and construct with de-constructability in mind
- Recycle site waste

## Resource Use

Construction responsible for  
~50% Global Resource use  
Wildlife populations have fallen  
by 69% in the last 50 yrs

## THINK HABITAT

### High Impact Actions

- Always Consider Timber Source
- Follow the SBA Rule of Thumb when selecting timber
- Check out the useful Mullum Creek Sustainable Timber Products list

RULE OF  
THUMB



MULLUM  
CREEK  
TIMBER  
LIST



## Health

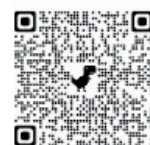
On average people spend  
17.3hrs a day in their homes

## THINK HEALTH




















### High Impact Actions – for interior products

- Choose Low VOC rated products (for things that are wet and come in tubes or cans.)
- Check for low formaldehyde E0 ratings (for reconstituted and & engineered wood products)
- Choose Red List free products
- Build to minimise condensation risk . For all you need to know see SBA Roadmap STEP 3.

BOSTIK  
LOW VOC  
PRODUCT  
GUIDE



# RESOURCES TO CREATE YOUR SUSTAINABLE MATERIALS PALLET

	<p>The SBA Roadmap STEP 2 – Low Impact Material Specification covers everything you need to know to create a low impact materials pallet for your next project. <a href="http://www.thesba.com.au">www.thesba.com.au</a></p> <p>* Go to Roadmap Step 2 – Low Impact Material Specification</p>	
	<p>The Low Carbon Materials Hub (LCMH) makes it fast and easy to search and rank products with EPD's by embodied carbon, so you can find low carbon product options. <a href="http://www.lcmhub.com">www.lcmhub.com</a></p>	
	<p>Rebuilt is a new platform to quickly lookup products and EPDs by embodied carbon.</p> <p><a href="https://rebuilt.eco/products">https://rebuilt.eco/products</a></p>	
	<p>Pre-offset carbon neutral products are now available for your projects. The Climate Active government program certifies products and businesses that measure, reduce and then offset their remaining emissions.</p> <p><a href="http://www.climateactive.org.au/certified-brands">www.climateactive.org.au/certified-brands</a></p> <p>* Click on the Industry Filter &gt; choose, "Building &amp; Construction" &gt; in the Certification filter choose "Product".</p>	
	<p>To support a circular economy, recycling is key. The Sustainability Victoria - Buy Recycled Directory is a useful website to source recycled content products.</p> <p><a href="https://directories.sustainability.vic.gov.au/buy-circular">https://directories.sustainability.vic.gov.au/buy-circular</a></p> <p>* Click on the "Buildings" product category.</p>	
	<p>An industry stalwart, Global Greentag has many product certification schemes depending on what sustainability criteria you are interested in.</p> <p><a href="http://www.globalgreentag.com">www.globalgreentag.com</a></p> <p>* For recycled content products, put "recycled" into the search bar.</p>	
	<p>Good Environmental Choice Australia is a long-standing database of sustainable products. Helpfully they have a range of clear standards that explain sustainability criteria products are judged against, that can give a useful background understanding for those that want to go deeper.</p> <p><a href="http://www.geca.eco/products">www.geca.eco/products</a></p>	
	<p>A fully transparent product catalogue started by our friends at Architects Declare. Useful sustainability metrics are listed for each product, and the catalogue of products is growing fast. <a href="http://www.productaware.au">www.productaware.au</a></p>	
	<p>Looking for healthy Red List Free products? The Declare database is a free, searchable platform where manufacturers disclose building product ingredients and their compliance with the Living Building Challenge Red List.</p> <p><a href="https://declare.living-future.org">https://declare.living-future.org</a></p>	
	<p>Our friends at Evitat enable you to create sustainable material specifications by putting vetted products at your fingertips. Their unique platform helps create sustainable specification documentation for each project, and communicate and confirm selections with clients. <a href="https://evitat.com.au">https://evitat.com.au</a></p>	