

# MATERIALS



Camp Glenorchy's goal since inception has been to create a safe and healthy environment for all.

Guided by the principles of the Living Building Challenge™ we are avoiding toxic substances by making careful choices in our building construction and using natural, healthy materials wherever possible. Salvaged and recycled materials will be used in furniture, fixtures, art installations and finishes in our interior and exterior spaces. And we are implementing strategies to minimise waste both during construction and ongoing operation.

## HEALTHY CHOICES

We will seek to use products certified to be healthy under the Living Future Institute's **Declare** programme.

The Declare program makes it easier for us to choose products that are free of "Red List" toxins known to pose serious risks to human health and the greater ecosystem. Camp Glenorchy will seek to avoid materials that include chemicals such as:

- Asbestos
- Cadmium
- Chlorinated Polyethylene and Chlorosulfonated Polyethylene
- Chlorofluorocarbons (CFCs)
- Chloroprene (Neoprene)
- Formaldehyde (added)
- Halogenated Flame Retardants
- Hydrochlorofluorocarbons (HCFCs)
- Lead (added)
- Mercury
- Petrochemical Fertilizers and Pesticides
- Phthalates
- Polyvinyl Chloride (PVC)
- Wood treatments containing Creosote, Arsenic or Pentachlorophenol

For the full Red List, visit [www.living-future.org/declare](http://www.living-future.org/declare)

## LIGHT FITTINGS

All light fittings at Camp Glenorchy will use LED bulbs that are extremely energy-efficient and long lasting. Reducing energy used for lighting will help us consume fewer replacement bulbs while helping achieve Net Zero energy consumption.

**20** WATTS POWER CONSUMPTION  
**LIFESPAN HRS 20,000**



## RECYCLED CORRUGATED IRON

Tin salvaged from old buildings such as the Winton Woolshed will be repurposed as interior ceiling lining in our buildings.



## CONSTRUCTION WASTE

**15% of the material used on a typical New Zealand construction site ends up as waste.**

Our goal is to reduce our construction waste that ends up in a landfill to 1%.

To achieve this target we are implementing a Waste Management Plan that promotes active recycling and minimising construction waste, packaging and other materials.

## STRANDBOARD

This material made from recycled wood chips and faster-growing trees. When combined with glue, these materials are stronger than plywood. Strandboard will be used as wall lining in all our new buildings. It is **free of toxic chemicals** and can be completely reused at the end of its life.



## RECLAIMED TIMBER

Wood salvaged from the Winton Woolshed and other buildings is being used throughout the cabins, bunkrooms, campfire shelter and Commons Building, **reducing demand on our forests.**



## TIMBER LIFECYCLE

**We have been rethinking the traditional approach to using timber.**

Decisions we are making during the design and construction of Camp Glenorchy are treating timber as a natural resource with multiple cycles in its useful life. Salvaged wood and responsibly-sourced timber are two key resources that are helping us reduce consumption of new timber and support sustainable forestry practices.

