

Beautiful Durable Sustainable



a sustainable choice

Beautiful and durable DecoWood is an ecologically sustainable alternative to other building products that are commonly used in the building industry.

The Product

Aluminium is highly regarded as a building material because of its strength and durability. In addition, aluminium will remain dimensionally stable in all weather conditions, is light weight for ease of transport and construction and is not subject to rotting and attack by insects such as borers and termites. These are important considerations when assessing the durability and sustainability of any building material.

Sustainability Assessment

When assessing the environmental sustainability of any building material, there are some important considerations that require evaluation.

How long will a product last?

Products that are strong and durable mean that there is less stress placed on the earth's resources compared to products with a shorter life, which require more frequent replacement.

Does the product require painting?

Paints rely on VOC's (Volatile Organic Compounds) to evaporate when applied, to allow the paint system to harden and cure. Most people are familiar with the smell of a freshly painted room, where there are high levels of VOC's. The problem is that VOC's are very harmful greenhouse gasses that contribute to global warming, so it is better to choose products that require little or no painting.

Can the material be recycled?

Recycling of building materials has a significant impact on the environment. The use of recycled materials not only means less requirement for the manufacture of new materials, but it also means that there is less requirement for the disposal of materials in land-fills. When choosing a building material, it is important to ask whether the material can be recycled, how easy it is to be recycled, and how many times it can be recycled.



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	DecoWood	Plastic Composites	Timber
No Logging of Trees	✓	X	X
No VOCs	✓	X	?
No Solvents	✓	X	?
Recyclable Material	✓	X	?
Recyclable Offcuts	✓	X	?
Durable - long life	✓	X	?
Locally Made	✓	?	?
No PVC	✓	X	✓

Aluminium Quick Facts

- More than 75% of all of the aluminium produced in the world is still in the system.
- Two of the largest producers of aluminium, Canada and Norway, use 100% renewable hydro power for aluminium refining.
- Aluminium refineries in Invecargill (NZ) and Launceston, Tasmania are powered by renewable hydro power.
- Recycling aluminium saves 90 million tonnes of CO₂ every year.

Source: International Aluminium Institute.