

Wood Plastic Composite



Wood Plastic Composite (WPC)

looks, feels and smells like timber but offers greater durability and whole-of-life value.

Wood Plastic Composites offer a number of environmental and maintenance benefits and are rapidly gaining in popularity. They can offer superior performance including durability, appearance, and environmental sustainability. It is the ideal replacement for hardwoods in harsh environments.

Benefits of WPC

- ✓ Easy to maintain and clean
- ✓ Resistant to ultra-violet light and does not fade quickly
- ✓ Highly resistant to all types of extreme climate
- ✓ Slip resistant
- ✓ Looks like wood

With over 30 years' experience delivering public infrastructure around Australia, Landmark is the ideal partner for design, manufacture and installation of open space furniture / structures.

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Wood Plastic Composite

WPC was developed in the 1980s, made from recycled wood fibres and polypropylene resins, and was first used for automotive interiors. Today, its greatest use is in construction, mostly for decking and railing, and the demand is growing yearly, with 1.3 million tons sold in the US market alone in 2015. When one looks at the benefits, it's easy to see why the growth is so rapid.

#1. WPC is easy to maintain and clean

Stains, spills or pigments from vegetation do not penetrate deeply into WPC, making it easily cleaned with soapy water and/or a high-pressure water jet. It can also be sanded with fine-grade sandpaper to restore its natural surface.

#2. WPC is resistant to ultra-violent light, and does not fade quickly

Maintenance costs are dramatically reduced without the need for additional applications of UV protection, saturation coatings, varnish, lacquer or other costly chemical products.

#3. WPC is highly resistant to all types of extreme climate

Whether rain, snow or peak summer conditions, and everything in between, WPC is more durable



than timber, and will hold its shape for much longer. It is also resistant to insects and fungi.

#4. WPC is slip resistant

Under scientific conditions, WPC qualifies as a Class X non-slip surface, making it the ideal solution for pedestrian bridges and access structures. Due to fire retardant chemicals added in its manufacture, it has also been tested and proven as non-flammable.

#5. WPC looks like wood

Being 50% recycled timber, it is no surprise that WPC offers a great timber-like finish. It can even smell like wood, but has the advantage of not splintering like timber, nor attracting termites. Due to its high cellulose content it can behave like wood, with the ability to bend, be cut, and be coloured and stained.

Landmark can use WPC, on request, in almost all its products, but the most common is decking on bridges and access structures. It is a popular product for those who want to lengthen the life of open space infrastructure, or who are installing in high corrosive, high use areas.

	Colour-fast in sunlight	Rot-proof, no treatment needed	No maintenance needed	Anti-slip	Easy and rapid laying	Hard-wearing and natural	No treatment needed	Insect repellent	Will not split
WPC	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■
Timber				■	■	■			
Plastic		■ ■	■ ■		■		■	■ ■	