Benefits of WPC Products
APR Ecocomp Range

APR is a leading Australian designer and manufacturer of Wood Plastic Composite (WPC) products. APR's ecocomp range of products are built to last and are virtually maintenance free. This means they won't rot, rust, splinter, be eaten by termites or dramatically weather with age or UV radiation. They are also chemically inert, which means they won't leach chemicals into the environment like treated wood, they have a lower thermal conductivity than metal and concrete and are sea water and salt resistant.

Like metal, wood, and plastic, WPC products from APR can easily be cut, drilled, screwed, bolted and stapled and are far stronger than competing plastic products. They are lighter and easier to handle than wood, metal or concrete and will outlast any traditional material.

COMPARISON CHART

In 2011, research conducted by David Burke analysed the properties and differences between WPCs and kiln dried hardwood. Although his research wasn't specifically using APR's WPC products, the chemical composition and structure of different brands of WPCs are very similar and the table below gives a good comparison between two widely used products:

PROPERTY	WPC	HARDWOOD
Chemical Resistance	2	3
Cold Forming/Bending	1	3
Comfort	1	2
Dimensional Stability	2	2
Ease of Machining	2	1
Fixing Strength	2	1
Glue Adhesion	4	1
Heat-Slump Resistance	3	1
Insect Resistance	2	4
Installed Longevity (Exterior)	2	3
Oil Finish	4	1
Paint/Stain Finish *	5	1
Inherent Protective Finish	1	4
Rot Resistance	2	3
Splinter Resistance	1	4
Stain Resistance	1	4
Tensile Strength	2	1
Warp/Cup Resistance	1	3
Water Resistance	2	5

Legend

1 = Very Good
2 = Good
3 = Average
4 = Poor
5 = Very Poor

For further information please contact:

APR

Lot 9, 500 Churchill Road
Kilburn, South Australia 5084

T: +61 8 8359 4999
E: sales@a-p-r.com.au
www.a-p-r.com.au

* **Note:** WPC has a resin rich surface making it very poor for painting e.g. graffiti. Surface preparation allows WPC to be painted and stained.

ecocomp
SUSTAINABLE OUTDOOR PRODUCT RANGE

APR
ADVANCED PLASTIC RECYCLING
SUSTAINABLE TIMBER ALTERNATIVES