

# Composite Timber Pergolas



## Traditional Timber Appearance with Composite Technology

- No Painting or Staining
- UV Resistant
- Colour Stable
- Low Maintenance
- Does Not Splinter

**LEISURE**

High performance composites

**dura**  
composites



# Composite Timber Pergolas



## Unique Formula

Wood Plastic Composites (WPC) unique formula provides the very best of both worlds, long lasting material that is strong, durable and weathers extremely well.

## Eco-Friendly

WPC Pergolas are striking yet have traditional appearance: require little maintenance; long lifespan; no splintering; UV stabilised and above all WPC Pergolas are Eco Friendly with a 90% recycled material content.

## Materials for the future

Although timber has been used for Pergola construction for decades we are all aware of its shortcomings. For the first few years timber works well. However, after a period of time timber, however treated, will start to deteriorate due to exceptional high temperatures. To overcome these safety and long-term durability issues, many commercial operators are insisting on using composite materials as a long-term investment.

## Long Lifespan

Composite Pergolas have an expected lifespan of 50 years+.



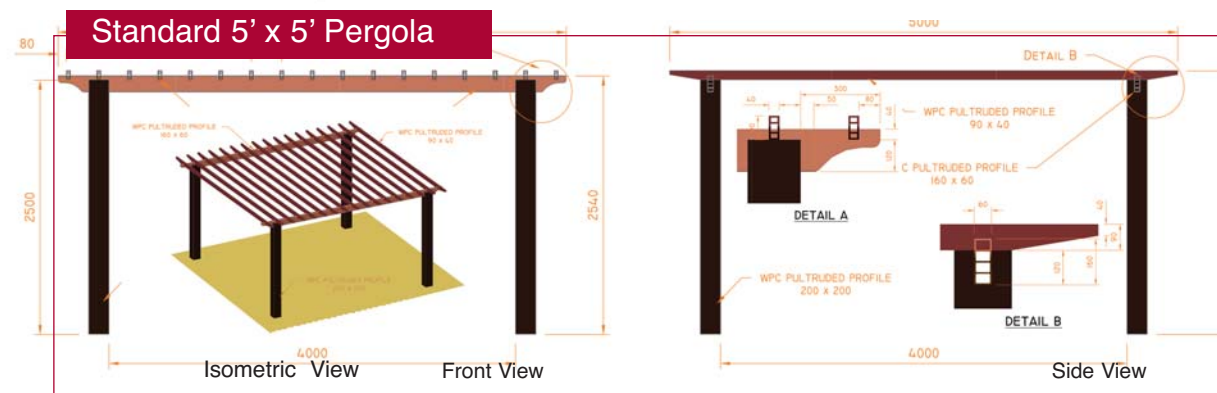
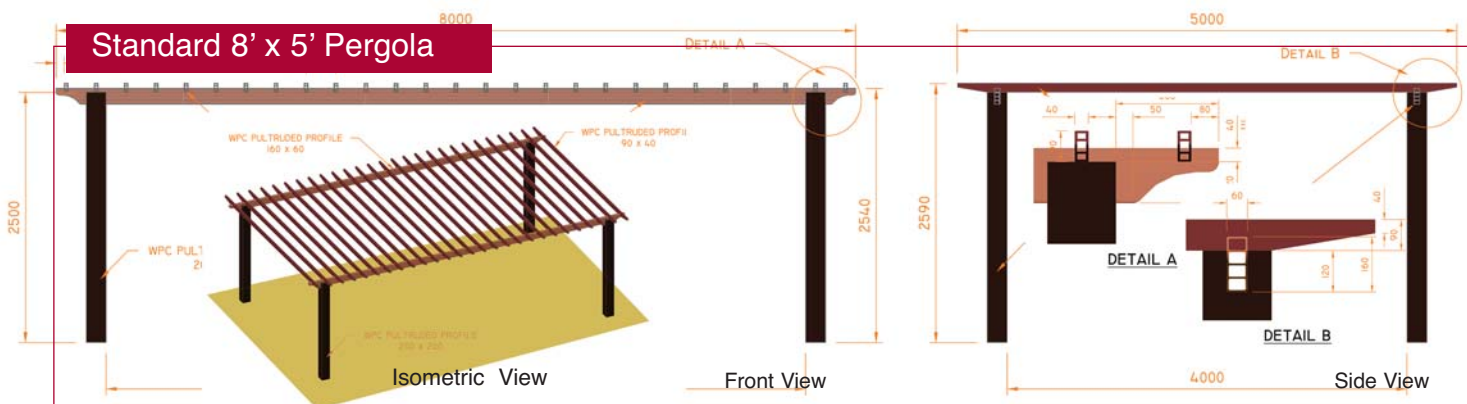


### **Traditional Appearance**

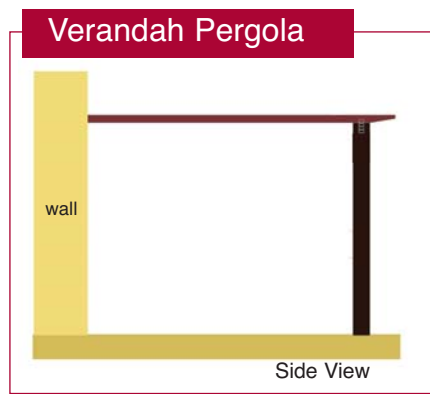
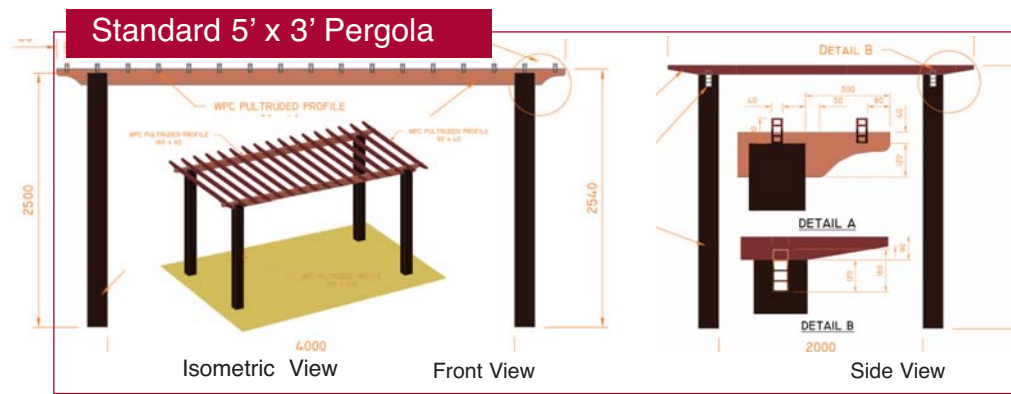
The combination of a beautiful traditional wood appearance and long lifespan makes these Pergolas the obvious choice for new or replacement projects.



# Composite Timber Pergolas



Other non-standard Pergola designs can be manufactured locally to architects specifications.



## Material Specification

Characteristics	Unit	Test Reference
Tensile Strength	15mpa	BS 6399
Impact Strengths	8Kj	ASTM D1037 - 93
Flexural Strengths	3.15 Gpa	ASTM D1037 - 93
Flexural Strength after UV ageing (1000 hrs & rain)	3.13 Gpa	ASTM D1037 - 93
UV ageing test	Pass	ISO 4892 - 2
Density	1.4g/cm3	ISO 9001
24 hour Water Absorption	1.07%	ASTM D684
Flammability Resistance	Class 3	BS 476 Part 7
Expansion Rate	3.882 x 10-5K	ISO 9001
Weatherability	No Damage @ 100 cycles	MOAT 22
Frost Resistance	No Damage	DD CEN/TS 772-22:2006

Due to our policy of continued improvement, we reserve the right to amend specifications and prices at all times.

## Standard Pergola Designs

Name	LxW overall	Span
Ultra	8 x 5m	7m
Patio	5 x 4.5m	4m
Walkway	5 x 3m	4m
Entranceway	4 x 2m	3m



LOW EMBODIED ENERGY  
LOW "U" VALUES  
LOW THERMAL EXPANSION  
HIGH "R" VALUE

**UK (Head Office)**  
Dura Composites Ltd.,  
Unit 14 Telford Road,  
Clacton-on Sea, Essex  
CO15 4LP, United Kingdom

**Australia & NZ**  
MOGAS International  
U2, 65 Holder Way,  
Malaga,  
Western Australia 6090

**UAE**  
Advanced Fibreglass Industries  
P.O.Box 32278,  
Dubai  
U.A.E

Tel: +44 (0) 1255 423601  
Fax: +44 (0) 1255 435426  
www.duracomposites.com  
info@duracomposites.com

Tel: +61 8 9248 9963  
Fax: +61 8 9248 9949  
www.mogasint.com  
andyg@mogasint.com

Tel: +971 4 3403905  
Fax: +971 4 3403906  
www.duracomposites.ae  
afi@emirates.net.ae

**dura**  
composites