



Adventure Play Equipment

## Information on the logs that we use

We have used the same high-quality timbers in each one of our projects, guaranteeing durability, reliability and longevity.

### Sourcing our timbers:

The UK Play regulation requirements are that to avoid “children trapping their fingers in timber (round or square) splits must not exceed 8mm. In order to comply with this regulation we use Radiata Pine (Pinus Radiata) from South Africa. This specie is plantation grown in the Southern Cape area of Knysa & George, and imported under the C-O-C certificate No. SA-COC-001524.

Whilst this specie is grown in several Southern Hemisphere countries we have found that the South African grown timber has advantages over its counterparts in so much that it does not suffer from Spiral Grain so any splits that occur are straight and normally 1-3mm in width, making it perfect for use in play areas and for play equipment. To compliment its natural characteristics we ensure every log is sanded to ensure the best possible finish is achieved and to make the logs smooth to the touch. Structurally the timber has the following properties:

Bending Strength: 11020-5700 psi  
Max. Crushing Strength: 2660-6038 psi  
Impact Strength: 18-22 inches  
Stiffness: 1140-1330-1000 psi  
Work to Maximum Load: 9-15 in-lbs/in<sup>3</sup>  
Hardness: 820 lbs  
Shearing Strength: 1700 psi  
Specific Gravity: 0.48  
Weight: 40-32 lbs/cu.ft.  
Density (Air-dry): 32 lbs/cu.ft.  
Radial Shrinkage: (G->OD) 3 %  
Tangential Shrinkage: (G->OD) 7 %  
Volumetric Shrinkage: (G->OD) 11 %

### Treating our timbers:

Our timbers are treated with ‘Tanalith-E’ treatment, a water-based treatment that gives long-term protection against fungal and insect attack, for both in and out of ground contact.

Our timbers are treated to the European EN 335:2013 standard, Class 4, meaning they are certified for installations into the ground.



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