

BOOM TREE

Sustainability & Materials Statement

Prepared for landscape contractors, developers and procurement teams evaluating BoomTree Playgrounds for UAE development projects.

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Scope	Applies to standard BoomTree timber playground supply; project-specific certification and specifications are issued per contract.

Where a specification below is confirmed, it is supported by a supplier certificate, safety data sheet or transaction record available on request. Fields marked “To be confirmed” are in progress with our supplier and will be updated in the next revision of this document.

1. About BoomTree

BoomTree Playgrounds has been designing, manufacturing and installing bespoke timber playgrounds across the UAE for over 10 years, as part of the Active8 Leisure group. Our work spans nurseries, schools, residential communities, hotels and resorts, with a design team, project managers and technicians based in the UAE.

- 10 years operating across the Middle East
- 15+ skilled staff: designers, project managers and technicians
- Playgrounds designed in accordance with the EN 1176 European playground safety series
- Every project is bespoke, designed for its site, community and climate
- Commercial installations experience across public, education, hospitality and residential-community sectors

2. Compliance Framework

BoomTree playgrounds are designed with reference to the applicable parts of the EN 1176/1177 playground safety series, their Gulf adaptation, and current Dubai requirements. The specific standards applied to a given project depend on the equipment type and final design, and are confirmed at project stage.

2.1 European & Gulf Standards

Standard	Scope
EN 1176-1	General safety requirements and test methods for permanently installed public playground equipment and surfacing
EN 1176-2	Swings
EN 1176-3	Slides
EN 1176-4	Cableways & zip lines
EN 1176-5	Carousels
EN 1176-6	Rocking equipment
EN 1176-7	Guidance on installation, inspection, maintenance and operation

Standard	Scope
EN 1176-10	Fully enclosed play equipment
EN 1176-11	Spatial network structures
EN 1177	Impact-attenuating playground surfacing and testing of critical fall heights
GSO EN 1176-1:2021 / GSO EN 1177:2018+A1:2025	Gulf Standardization Organization adaptation of the above for GCC use

2.2 Dubai Requirements

Reference	Description
DM-HSD-GU02-SEPA2 v.5.0	Dubai Municipality Technical Guidelines for Safety in Events and Play Areas (issued 17 Feb 2025) — covers age-appropriate design, circulation, safety zones, fire-resistant materials, electrical/fire safety, emergency planning, risk assessment, installation/inspection and maintenance/accident reporting
DM-HSD-GU121-PEAP2	Dubai Municipality procedure guide for permit issuance for play areas and events (issued 2025)
EIAC-REQ-IB-06	Framework for accreditation of inspection bodies; used where third-party inspection is required
Dubai Universal Design Code, Section 6.21	Accessibility requirements for play areas, incorporated into applicable projects

Applicable standards, permits and inspection requirements are confirmed for each project based on location, client and equipment scope.

3. Timber Sourcing & Chain of Custody

BoomTree uses pressure-treated European pine, supplied from Germany by De Haarlemse Houthandel B.V., which holds valid PEFC Chain of Custody certification.

Supplier	De Haarlemse Houthandel B.V.
Certification body	SCS Global Services
PEFC certificate	SCS-PEFC-COC-000652
PEFC licence	PEFC/30-32-1475
Certificate status	Valid
Valid until	23 June 2027
Pine species	Pine (species not specified by supplier)
Country of harvest	Germany

PEFC certification applies to the timber supply and is supported by the relevant invoice or delivery documentation for each order; it does not itself certify the completed playground. Procurement teams are welcome to verify this certificate directly at www.pefc.org. The supplier has confirmed the timber is pine but does not provide species-level identification (e.g. Scots pine); this document has been updated accordingly and will be revised if a specific species is confirmed.

4. Timber Treatment

Timber is pressure-treated for outdoor use using an industrial vacuum-pressure process with Tanalith E 3475, a copper-based wood preservative manufactured by Arch Timber Protection (Koppers).

Treatment product	Tanalith E 3475
Treatment process	Industrial vacuum-pressure treatment
Active ingredients	Copper-based fungicide/insecticide system with triazole co-biocides (propiconazole, tebuconazole)
EN 335 use class	Not available — supplier does not classify timber by EN 335 use class
EN 351 penetration class	Not available — supplier does not classify timber by EN 351 penetration class
Current Safety Data Sheet	Current SDS on file: Tanalith E 3475, Version 1.0, revision date 17 April 2026 (CLP-compliant format)

The current safety data sheet held for Tanalith E 3475 (Version 1.0, revision date 17 April 2026) supersedes the previous 2013 pre-CLP sheet and is in current CLP-compliant format. The hazard information in that sheet describes the concentrated treatment chemical prior to application — it does not describe the cured, dry timber supplied in finished playground equipment. Full SDS documentation is available from BoomTree on request.

The supplier has confirmed it does not classify timber by EN 335 use class or EN 351 penetration class as part of its standard supply. Where a project requires this classification for tender or inspection purposes, it would need to be established separately, for example by an accredited testing body or via the treatment applicator's own records.

As with most pressure-treated timber, treated wood should not be burned, composted or used as mulch, and should be disposed of through an authorised waste route. This is reflected in the end-of-life guidance in Section 7.

5. Other Materials

Alongside timber, BoomTree playgrounds incorporate commercial-grade components selected for durability and UAE climate performance:

- Galvanised or stainless-steel fixings and structural components
- UV-stable slides and panels
- Commercial-grade ropes and rope fixings
- Impact-attenuating safety surfacing, tested to EN 1177

Exact specifications depend on the final playground design and components selected for each project; full material specifications can be issued at contract stage.

6. Environmental Product Information

Every BoomTree playground is bespoke, so sustainability performance depends on project design, material selection and ongoing maintenance rather than a single fixed figure. Supplier Environmental Product Declaration (EPD) data can be provided where available, and project-specific embodied-carbon estimates — accounting for materials, fabrication and transport from Europe to the UAE — can be prepared on request at proposal stage.

7. Design Life, Maintenance & Warranty

BoomTree designs for the full asset lifecycle: responsible procurement, fabrication, installation, planned maintenance, repair, adaptation and documented end-of-life.

Stage	What it covers
Design & material selection	Bespoke layout considering users, site, accessibility and maintenance access; responsible sourcing of timber and commercial-grade components
Manufacture & installation	Fabrication focused on durability; foundations, safety zones and surfacing installed and inspected to the agreed scope

Stage	What it covers
Maintenance	Routine visual/safety inspections and preventative maintenance recommended at least every 6 months (tightening fixings, checking components)
Repairs & refurbishment	Individual components repaired or replaced to extend asset life; structures can be refreshed, reconfigured or expanded
Reuse & end of life	Timber and components may be reused where condition and treatment allow; metal and suitable non-timber parts can be separated for recycling. Treated timber is disposed of through an authorised waste route — never burned, composted or used as mulch

7.1 Warranty

Component category	Warranty period
Outdoor timber posts and structures	5 years
Metal components	3 years
Moveable parts, metal fixtures and ropes	1 year
Composite plastic accessories	1 year

Warranty terms are subject to the relevant project certificate, correct installation and use, and the maintenance schedule above. Warranties exclude improper usage, normal wear and tear, incorrect maintenance, unauthorised varnishing, sun-related discolouration, vandalism and irrigation-related damage.

8. Indicative Budget Ranges

Typical budget ranges for complete playground installations (AED), for early-stage planning purposes only:

Project type	Indicative range (AED)
Small community	70,000 – 150,000
Medium community	150,000 – 300,000
Large community	300,000 – 500,000+

Final costs depend on playground size, level of customisation, shade structures, safety surfacing, landscaping, site preparation, civil works and accessibility requirements. A firm quotation is issued following site assessment and design brief.

9. Documentation Available to Procurement Teams

Depending on the agreed project scope, BoomTree can provide:

- Applicable EN 1176 test or compliance documentation
- EN 1177 surfacing reports
- Age-range and free-fall-height information
- Timber supplier certification (PEFC) and transaction records
- Current treatment safety data sheet
- Foundation and installation specifications
- Post-installation inspection records
- Maintenance and inspection guidance

For tender submissions, please contact us to confirm which documents are required and we will issue them ahead of your deadline.