


Makalu

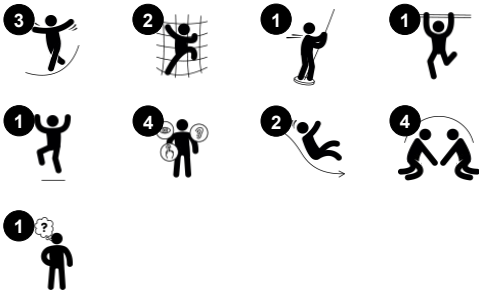
PCE111921



Item no. PCE111921-0901

General Product Information

Dimensions LxWxH	654x519x260 cm
Age group	4+
Play capacity (users)	9
Colour options	  



Wow! The Makalu is a fantastic structure that attracts children from afar. The activities encourage children to play longer and return more often. The Makalu offers ample climbing and sliding activities for active children. The varied climbing units train proprioception and cross-body coordination, which are fundamental for children's cross-modal

perception and build the foundation for other skills, such as reading. The slides and banister bars are thrilling ways to return to the ground. The Jacob's ladder offers climbing with a cognitive challenge, prompting children to figure out how to move their bodies to reach the top. Apart from climbing and sliding, there are plenty of opportunities for social play that

help children build important social and emotional skills and motivate them to play for longer.





Curved slide

Physical: develops spatial awareness, sense of balance and trains core muscles when sitting upright going down. **Social-Emotional:** empathy stimulated by turn-taking.



Banister bars

Physical: supports coordination, arm and core muscles. Landing strengthens bone density. **Social-Emotional:** turn-taking and risk-taking.



Pipe ladder

Physical: cross coordination and eye-hand coordination are supported when children climb the ladder. The climbing also supports leg and arm muscles. **Social-Emotional:** learning about turn taking and cooperation.



Jacob's ladder

Physical: cross coordination and spatial awareness as well as upper body muscles when hanging with arms. **Social-Emotional:** turn-taking and cooperation. **Cognitive:** logical thinking when going from 2nd to 3rd step, changing feet.



Panels of 19mm EcoCore™. EcoCore™ is a highly durable, eco-friendly material, which is not only recyclable after use but also consists of a core produced from 100% recycled material.



The ELEMENTS roofs are made of recyclable PE with a minimum wall thickness of 5 mm to ensure high durability in all climates around the world. The steel pipes are hot-dip galvanised inside and outside for maximum durability.



Sails of commercial 95 high-density PE knitted specially for sun-shade structures. The sails are treated with UV stabilisers to ensure longevity. The sails are supported by a hot-dip galvanised steel frame and tightened by stainless-steel devices.

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Installation Information	
Max. fall height	221 cm
Safety surfacing area	49.1 m²
Total installation time	15.5
Excavation volume	0.74 m³
Concrete volume	0.07 m³
Footing depth (standard)	90 cm
Shipment weight	462 kg
Anchoring options	In-ground ✓ Surface ✓
Warranty Information	
EcoCore HDPE	Lifetime
Hollow PE parts	10 years
Post	10 years
PP Decks	10 years
Spare Parts Guarantee	10 years



The main posts are made of high quality pre-galvanized steel with powder coated top finish. Post tops are closed with caps of UV stabilized nylon (PA6). The grey colored molded decks are made of 75% post-consumer ocean waste PP material with a non-skid pattern and textured surface. All decks are supported by uniquely designed, low-carbon aluminum profiles with multiple attachment options.



The slides are available in either moulded PE in different colours or in full stainless steel - AISI304 t= 2mm.



The steel surfaces are hot-dip galvanised inside and outside with lead-free zinc. The galvanisation has excellent corrosion resistance in outside environments and requires low maintenance.



Sustainability Data

PCE111921



Cradle to Gate A1-A3	Total CO ₂ emission	CO ₂ e/kg	Recycled materials
	kg CO ₂ e	kg CO ₂ e/kg	%
PCE111921-0901	918.70	2.55	51.40

The overall framework applied for these factors is the Environmental Product Declaration (EPD), which quantifies "environmental information on the life cycle of a product and enable comparisons between products fulfilling the same function" (ISO, 2006). This follows the structure and applies a Life-Cycle Assessment approach to the entire Product stage from raw material through manufacturing (A1-A3))

Verification of CO₂ calculation of: Play systems



Data version no. 2023-10-05

The CO₂ calculation and data are in compliance with the principles of a carbon footprint impact according to the GHG protocol (Greenhouse Gas Protocol), Scope 3, cradle to gate related to all individual components in the product category: "Play systems" represented by item no.: PCM200321-0950.

(Scope 3 emissions include emission sources in the upstream and downstream value chain).

Date: 30. October 2023 | Valid until: 30. October 2025

Verified by:

Julie Marie Vejsgaard Larsen, LCA & EPD Consultant

Verification based on report: Validation of CO₂ calculation of 9 categories of Kompan product line, version 1.0, prepared by: Bureau Veritas HSE, Denmark: Julie M. V. Larsen.

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By Bureau Veritas HSE
www.bureauveritas.dk
+45 7731 1000



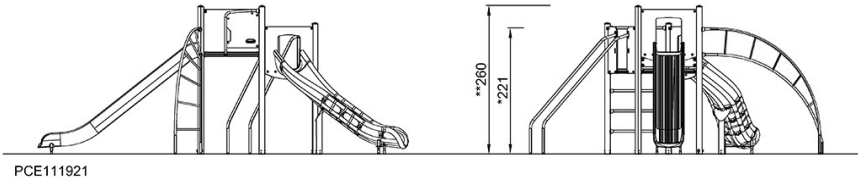
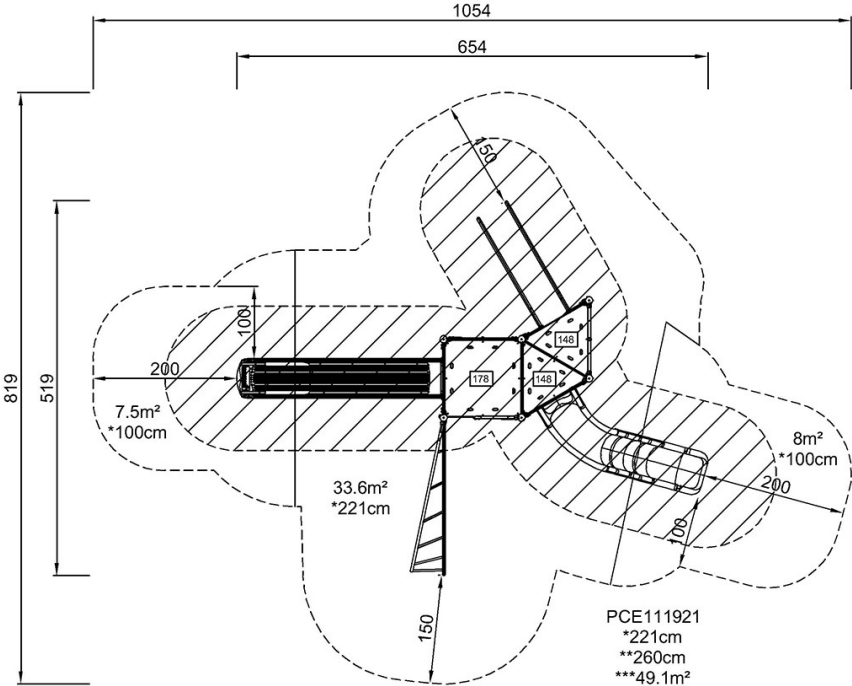
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* Max fall height | ** Total height | *** Safety surfacing area

* Max fall height | ** Total height



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