

# Castle Castello


PCM400831



Wow! The Castello offers amazing play experiences to explore again and again. The Castello inspires tons of physical, social, and dramatic play. The varied access climbers stimulate cross-coordination. This is foundational for reading skills. The bridges add fine balance training with their inclined and curved shape. Balance is a foundation for all

other motor skills and crucial for the child's body confidence. The tunnel is a thrilling crawling experience. Going down, there is the option for a milder or wilder ride. The Curly Climber adds a thrilling, rotating glide that trains spatial awareness, which will help children navigate the world securely. On ground level, rich play panels inspire dramatic

play, which in turn stimulates language development.

Item no. PCM400831-0901	
General Product Information	
Dimensions LxWxH	23'8"x14'4"x13'5"
Age group	2 - 5
Play capacity (users)	31
Color options	



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## Curly climber

**Physical:** coordination and proprioception are supported when placing arms and legs correctly for going down. Sense of balance when rotating. Arm muscles for holding tight. **Social-Emotional:** empathy stimulated by turn-taking. **Cognitive:** logical thinking when placing arms and legs right for rotating downward.



## Slide

**Physical:** sliding develops spatial awareness and a sense of balance. Furthermore, the core muscles are trained when sitting upright going down. **Social-Emotional:** empathy stimulated by turn-taking. **Cognitive:** young children develop their understanding of space, speed and distances when sliding down quickly.



## Cannon

**Cognitive:** the cannon sets a tangible theme and spurs dramatic play. Dramatic play supports language and communication skills.



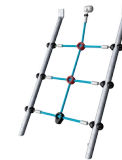
## Treasure box

**Cognitive:** object permanence: hiding objects and finding them again. Spurs exploration and dramatic play, stimulating conversations.



## Clock panel

**Social-Emotional:** cooperation with others on turning clock hands and taking turns. **Cognitive:** learning about numeracy and time in a tangible way. **Creative:** leaving your mark on the playground when setting the clock.



## Climbing net

**Physical:** supports physical strength and cross-body coordination, which impacts coordination of the right and left parts of brain, fundamental for other skills such as the ability to read.



## Tunnel

**Physical:** the children crawl through the tunnel, developing motor skills such as cross-body coordination and proprioception. **Social-Emotional:** turn-taking when passing each other.

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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.



Main posts with hot dip galvanized steel footing are available in different materials: Pressure impregnated pine wood posts. Pre-galvanized inside and outside with powder coated top finish steel posts. Lead free aluminium with color anodized top finish.



All decks are supported by uniquely designed low-carbon aluminum profiles with multiple attachment options. The grey-colored molded decks are made of 75% post-consumer ocean waste PP material with a non-skid pattern and texture surface.

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Installation Information	
Max. fall height	6'8"
Safety surfacing area	675ft²
Total installation time	38.8
Excavation volume	2.73yd³
Concrete volume	0.98yd³
Footing depth (standard)	2'11"
Shipment weight	2706lbs
Anchoring options	In-ground ✓ Surface ✓
Warranty Information	
EcoCore HDPE	Lifetime
Post	10 Years
PP Decks	10 Years
Ropes & nets	10 Years
Spare Parts Availability	10 Years



The slides can be chosen in different materials and colors: Straight or curved molded PE slides in yellow or grey color. Full stainless steel in on-piece design for more vandalism proof solutions.



The stainless-steel activities are made of high-quality stainless steel. The steel is cleaned by a total pickling process after manufacturing to ensure a smooth and clean gliding surfaces.



Nets and ropes are made of UV-stabilized PA with inner steel cable reinforcement. The rope is induction treated in order to create a strong connection between steel and rope which leads to good wear resistance.

Elevated activities 12	Accessible elevated activities	Accessible ground level activities	Accessible ground level play types
Present	12	3	2
Required	6	4	3

**ASTM  
F1487**  
compliant



# Sustainability Data

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Cradle to Gate A1-A3	Total CO <sub>2</sub> emission	CO <sub>2</sub> e/kg	Recycled materials
	kg CO <sub>2</sub> e	kg CO <sub>2</sub> e/kg	%
PCM400831-0901	1,749.74	1.88	65.36

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))

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### Verification of CO<sub>2</sub> calculation of: Themed play systems



Data version no. 2023-10-05

The CO<sub>2</sub> 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: "Themed play systems" represented by item no.: MSC641100-3717P.

(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 CO<sub>2</sub> 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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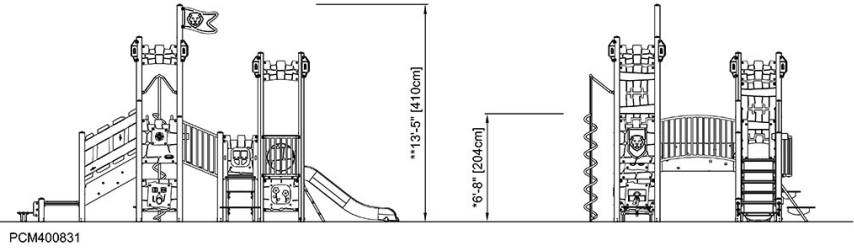
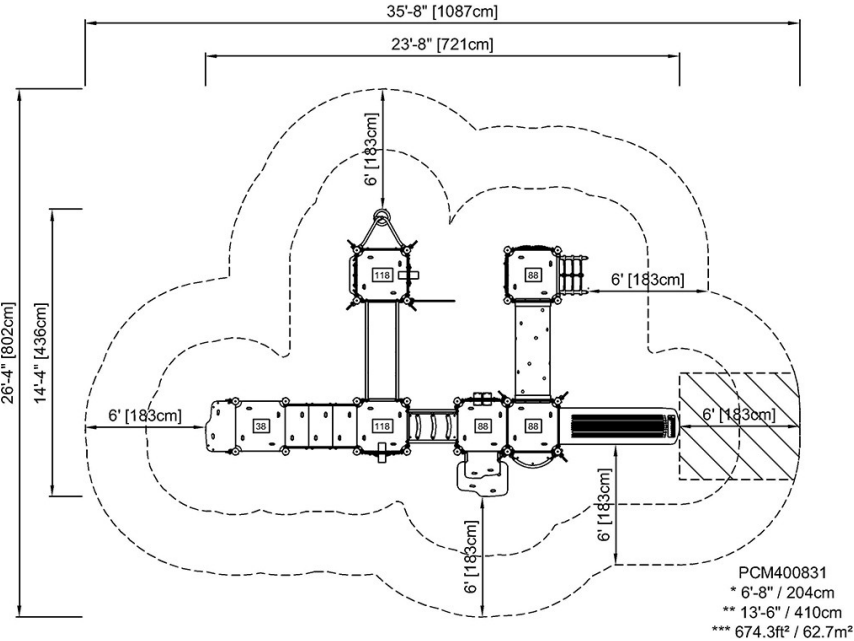
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\* Max fall height | \*\* Total height | \*\*\* Safety surfacing area

\* Max fall height | \*\* Total height



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[Click to see SIDE VIEW](#)