



Elmbridge Borough Council – Lot 2 Molesey Hurst Rec
KOMPAN Tender Response

KOMPAN Opp Ref: EN354006
KOMPAN Quote Ref: SQ291732
KOMPAN Ltd, Shirwell Crescent, Furzton
Lake, Milton Keynes, MK4 1GA



Contents

Play Area Design	Page 3
Product Sheets	Page 6
Vandalism (1.2.3.1) & (2.12)	Page 17
Colour Options (2.5)	Page 20





Play Area Design Document

AGE
0-14
RANGE

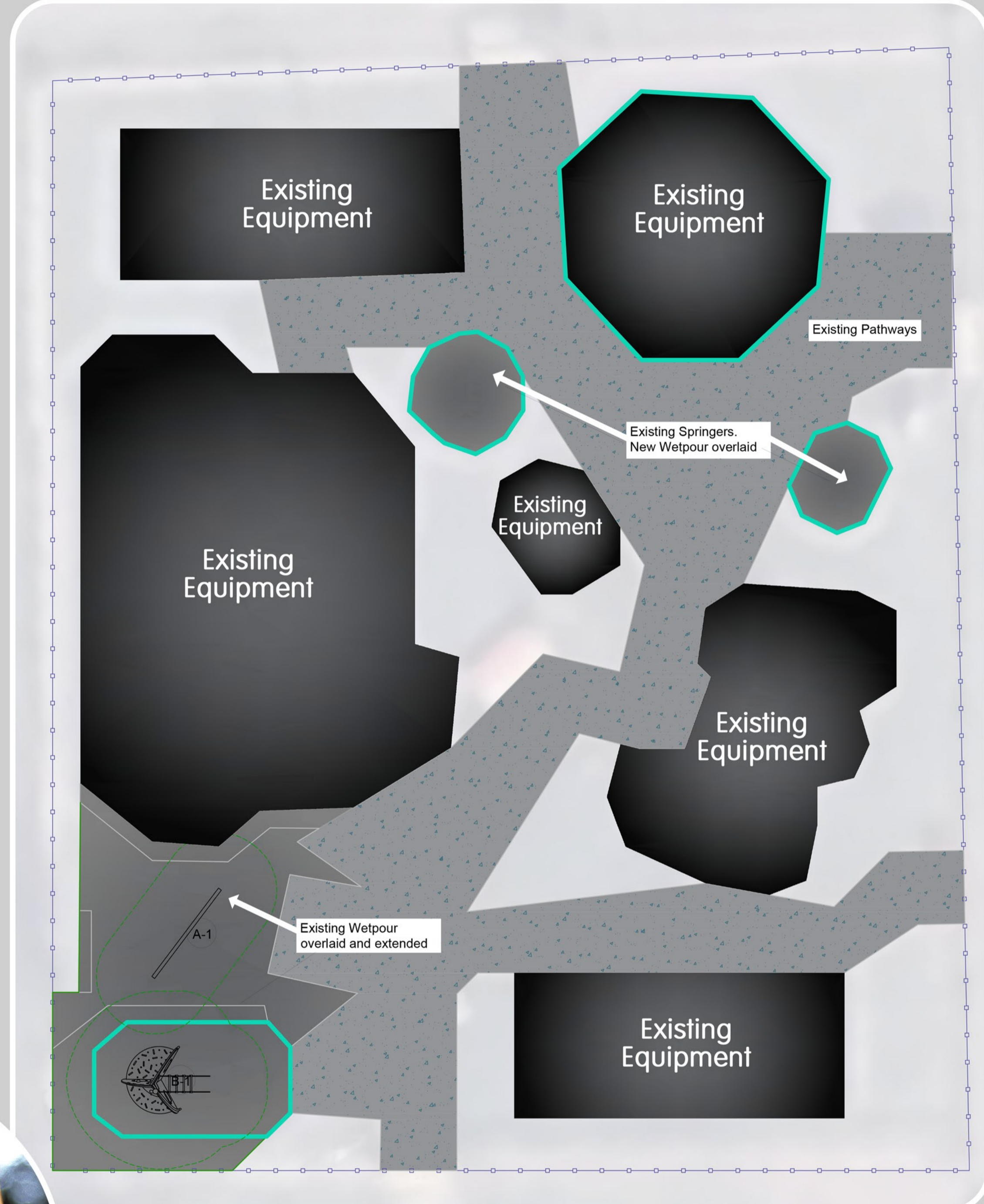
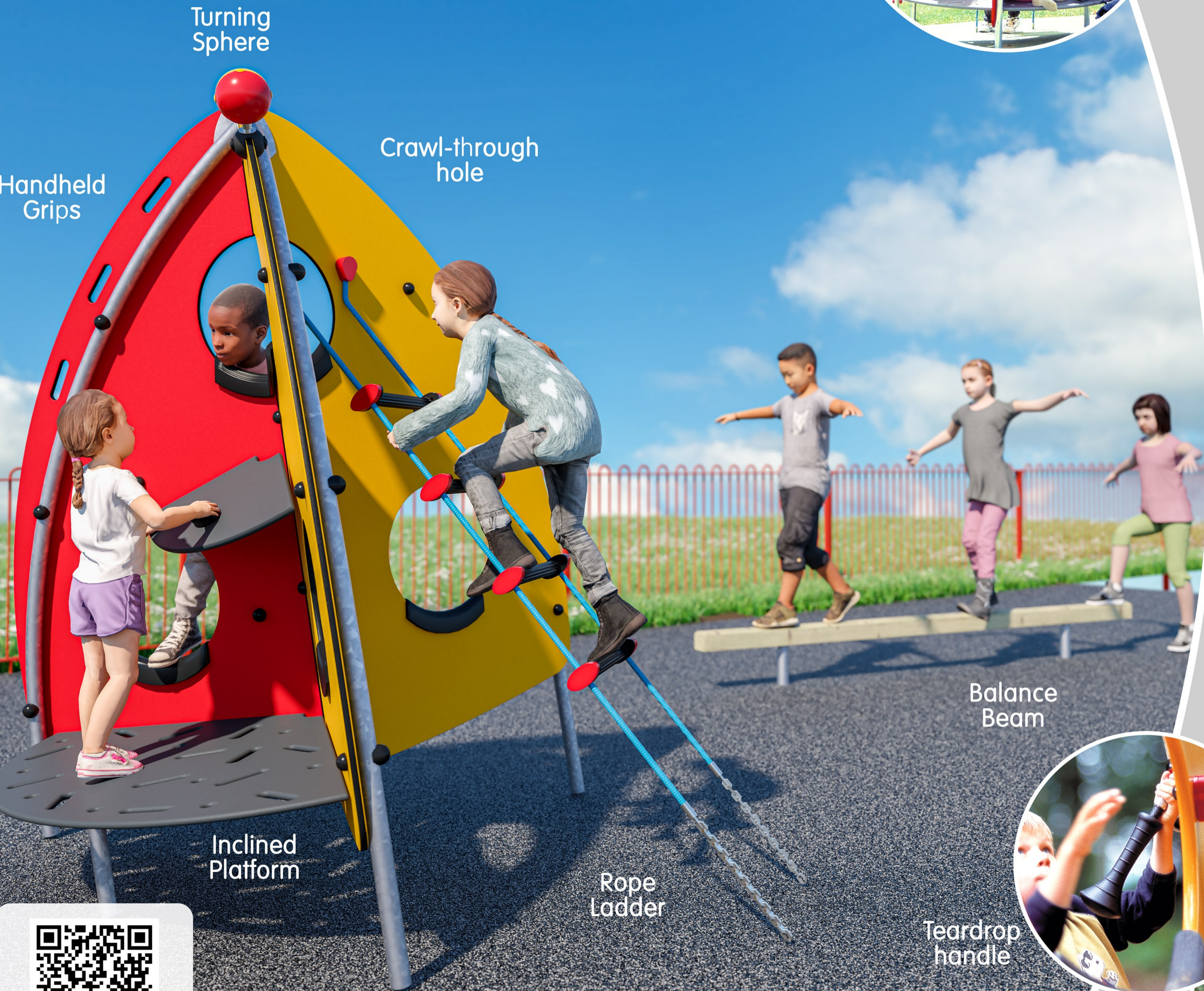
Molesey Hurst Recreation Ground Play Area

Elmbridge Borough Council



Surfacing Key

	New Black Wetpour		Existing Tarmac Pathway		Existing Wetpour
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SCAN ME to view our green journey brochure



Universal Design. This playground has been designed for everyone to use, together.



Choose Green? We choose for you!

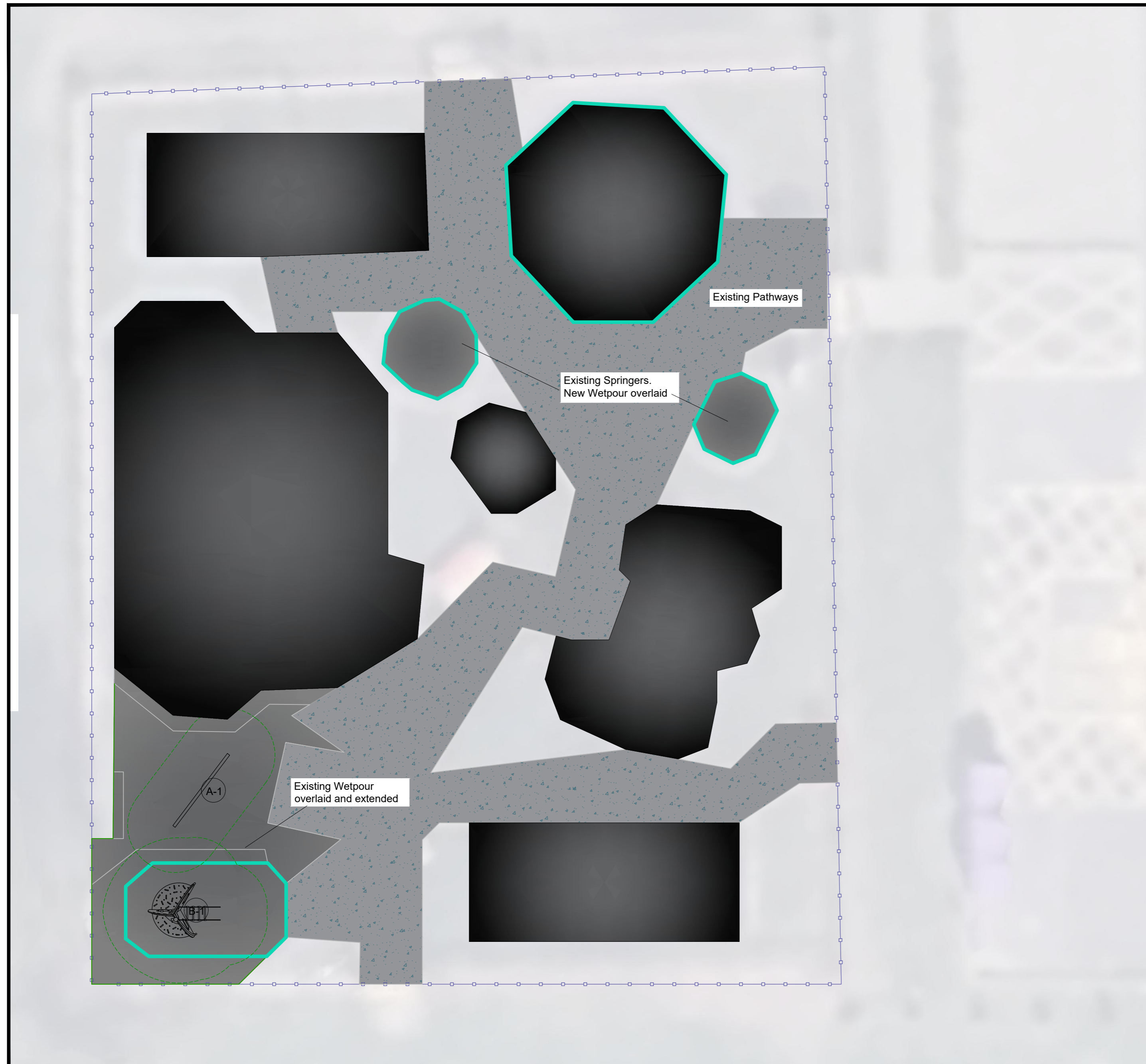
All of our HDPE products are made from **95%** post consumer waste! **WOW!**



ELMBRIDGE BOROUGH COUNCIL - LOT 2 MOLESEY HURST RECREATION GROUND PLAY AREA - ACS 227203-10V6K61 DRAWN/EM/1/19 NOTE: PLEASE DO NOT SCALE FROM THIS DRAWING. THIS DRAWING IS NOT TO SCALE. THIS IS PURELY AN ARTIST'S IMPRESSION.

Molesey Hurst Recreation Ground Play Area

Elmbridge Borough Council



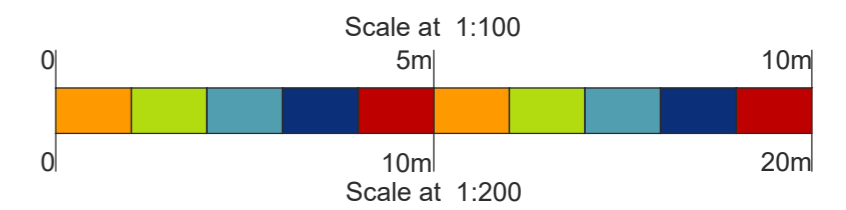
Equipment



Pro. Nr: **KPL819-xx01** Label: **A**
 Product Name: **Balance Beam**
 Age Span: **4+**



Pro. Nr: **M702104-xx17P** Label: **B**
 Product Name: **Climby Shifter**
 Age Span: **3+**



Design assumes the site will be levelled by other (max. gradient 1:100), free draining and with good access
 Quotation and design is submitted site unseen, we reserve the right, following a full site survey to amend the design appropriately.
 Areas and dimensions shown are critical for compliance with European safety standards En1176 & En1177, If in doubt ask.
 Grass areas should be well established prior to grass mat safety surfacing being laid.

KOMPAN
Let's play

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NOT FOR TENDER ISSUE.
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Project Molesey Hurst Recreation Ground Play Area		Designed by EM
Client Elmbridge Borough Council	Date 18/03/2024	Scale 1:100@A2
Drawing No. CAS-277203-J0V6K6	Revision -	



Product Sheets

Climby Shifter

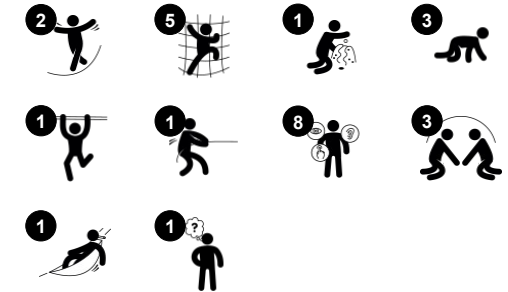
M7021

KOMPANI
Let's play

Item no. M702104-3417P

General Product Information

Dimensions LxWxH	183x245x217 cm
Age group	3+
Play capacity (users)	7
Colour options	



Here you'll find play and climbing for hours for boys and girls! The destination is the rattling antenna on top. Who will get there first? This is real training of the spatial sense: On one side you can choose climbing wall grips, on the other you have holes, and on the third side a rope ladder. Horizontal climbing is possible too, when you climb through the holes, which also

make contact between all three sides of the Climby Shifter possible. The floors are slightly slanting, thus presenting a great challenge to the sense of balance!



Climby Shifter Inclusivity

Crawl-through hole

Physical: the hole allows for climbing and crawling through, developing cross coordination, proprioception and spatial awareness.

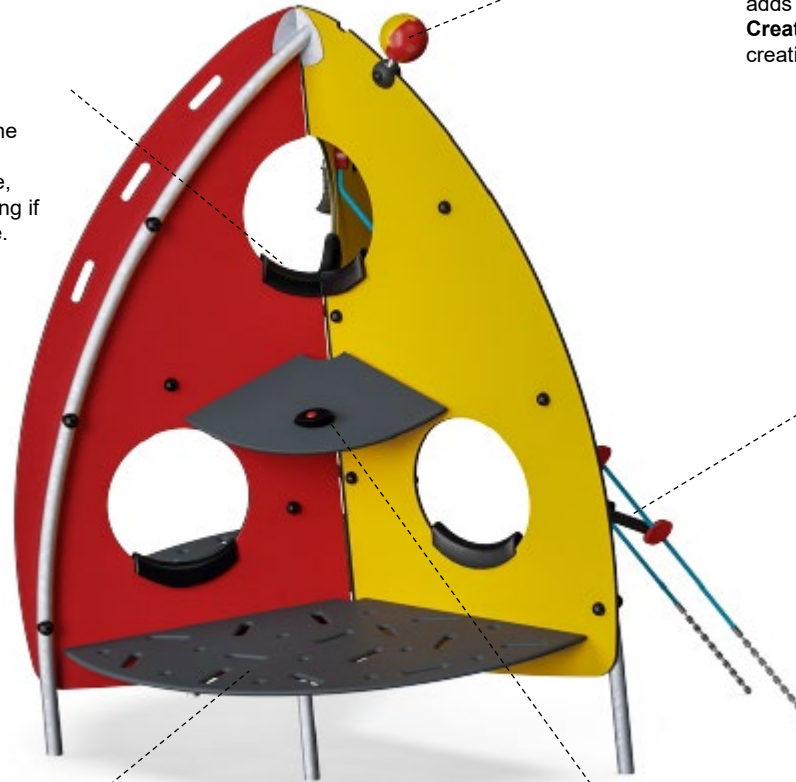
Social-Emotional: cooperation and turn-taking when passing one another.

Cognitive: understanding space, shape and measures when seeing if the body can fit through the hole.

Inclined platform

Physical: trains the sense of balance and space.

Social-Emotional: adds meeting points.



Turning sphere

Cognitive: adds a play destination and stimulates a child's understanding of cause and effect as there is a rattle sound when the sphere is turned. The smooth surface adds tactile variation.

Creative: the rattle sound adds a creative element to play.

Rope ladder

Physical: cross coordination is supported when children climb the ladder. The climbing also trains leg and arm muscles.

Climbing cleat

Physical: placed to support hands and feet when crawling across, they train dexterity, hand and foot strength. **Social-Emotional:** adds the feeling of security, helping children to feel confident in climbing higher.

Climby Shifter

M7021



Panels of 19mm EcoCore™. EcoCore™ is a highly durable, eco friendly material, which is not only recyclable after use, but also consists of material produced from +95% recycled post consumer material from food packing waste.



Foot support is made of HPL with a thickness of 17,8mm with a very high wearing strength and a unique KOMPAN nonskid surface texture.



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.

Item no. M702104-3417P

Installation Information

Max. fall height	139 cm
Safety surfacing area	20.3 m ²
Total installation time	8.6
Excavation volume	1.09 m ³
Concrete volume	0.18 m ³
Footing depth (standard)	63 cm
Shipment weight	288 kg
Anchoring options	In-ground ✓ Surface ✓

Warranty Information

EcoCore HDPE	Lifetime
HPL decks	15 years
Hot dip galvanised steel	Lifetime
Ropes & nets	10 years
Spare parts guaranteed	10 years



Play activities like the turning ball is made of injection moulded high quality UV-stabilised nylon (PA6). PA6 has good wearing and impact strength.



Ropes are made of UV-stabilised 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.



KOMPAN GreenLine versions are designed with ultimate environmentally friendly materials with lowest possible CO2e emission factor such as EcoCore™ panels of +95% post consumer recycled ocean waste.



Climby Shifter

M7021



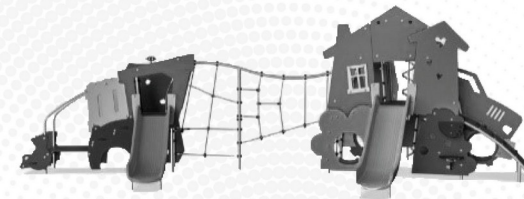
Cradle to Gate A1-A3	Total CO ₂ emission	CO ₂ e/kg	Recycled materials
	kg CO ₂ e	kg CO ₂ e/kg	%
M702104-3417P	422.40	2.04	48.10

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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Denmark



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

Publication date: 30. October 2023

By Bureau Veritas HSE
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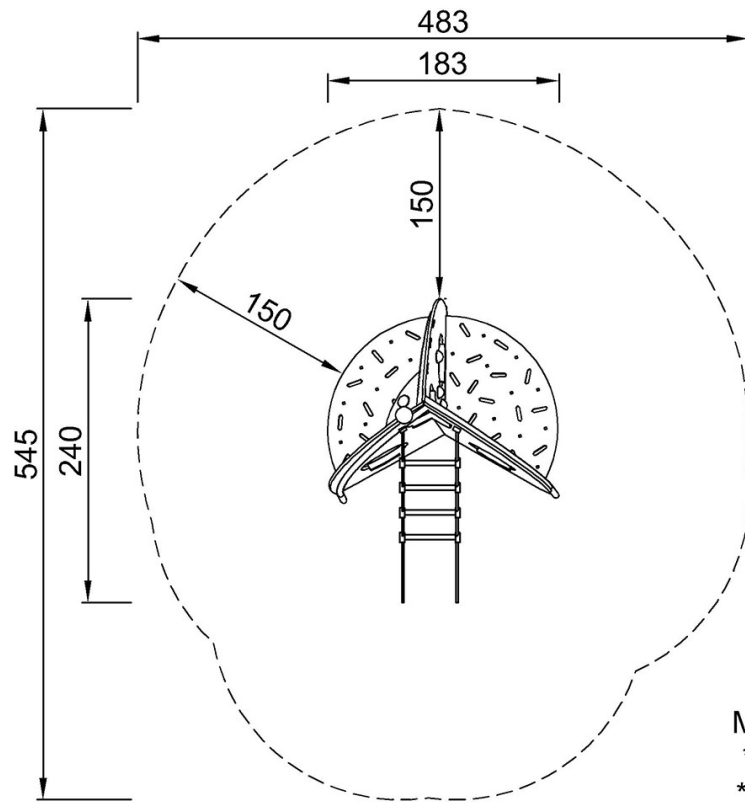


Climby Shifter

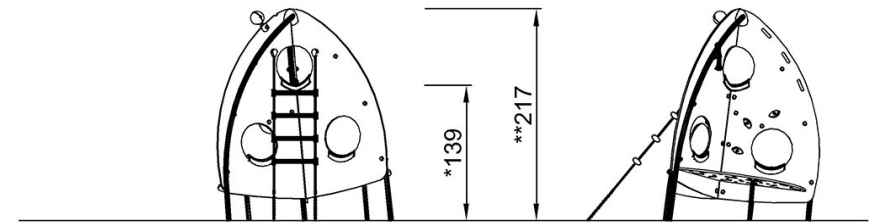
M7021

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

* Max fall height | ** Total height



M702106
*139cm
**217cm
***20.3m²



M702106

[Click to see TOP VIEW](#)

[Click to see SIDE VIEW](#)

Balance Beam

KPL819

Item no. KPL819-0601

General Product Information

Dimensions LxWxH	10x300x30 cm
Age group	4+
Play capacity (users)	2
Colour options	



Balancing is always an attractive activity to children. This balancing beam invites children to compete individually or against other children. Through play children train and develop their balance and coordination, but they also use the balancing beam as a nice place to gather.

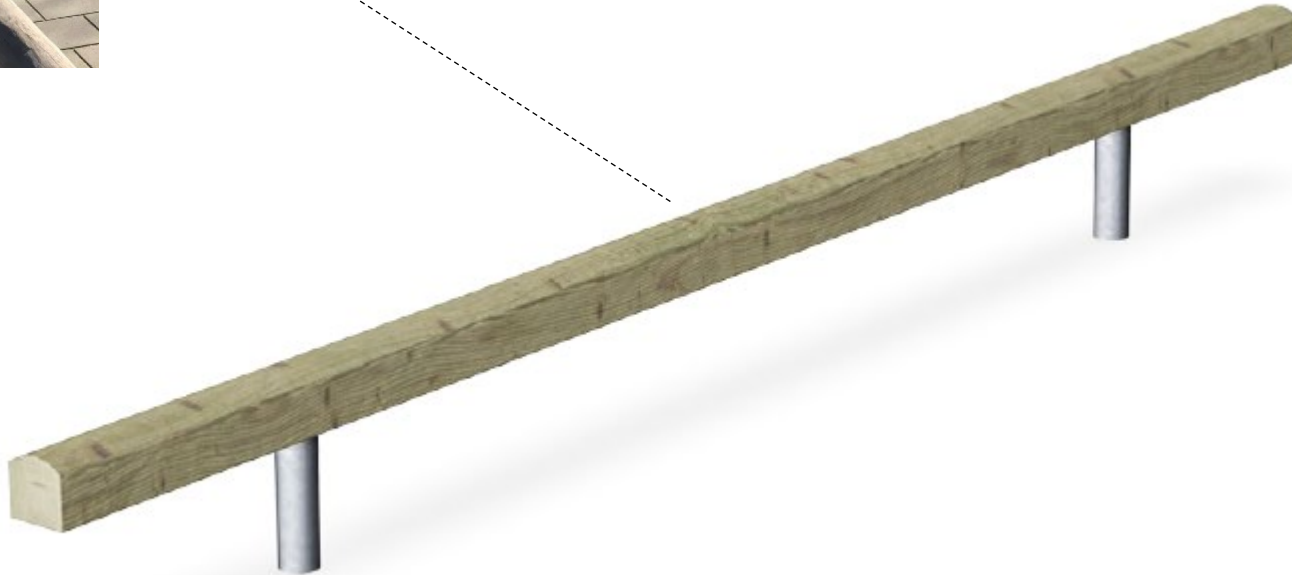


Balance Beam Inclusivity



Balance beam

Physical: trains the sense of balance, fundamental for all other motor skills that makes it possible to navigate the world confidently and securely. **Social-Emotional:** turn-taking skills and negotiation when crossing each other on the beam. Room for a seated rest and exchange.



Balance Beam

KPL819



Beams are made of pine wood from sustainable European sources. The wood is pressure impregnated Class 3 with Tanalith E3475 according to EN335 (Equivalent to NTR Class AB).

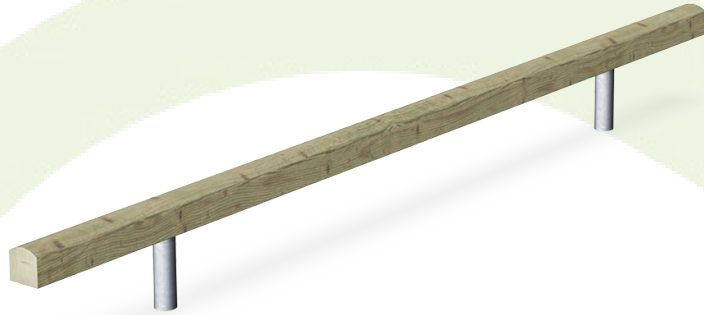
The steel surfaces are hot dip galvanised inside and outside with lead free zinc and with powder coated top-finish. The galvanisation has excellent corrosion resistance in outside environments and requires low maintenance.

Item no. KPL819-0601	
Installation Information	
Max. fall height	30 cm
Safety surfacing area	16.6 m ²
Total installation time	1.1
Excavation volume	0.30 m ³
Concrete volume	0.13 m ³
Footing depth (standard)	60 cm
Shipment weight	27 kg
Anchoring options	
Warranty Information	
Hot dip galvanised steel	Lifetime
Pinewood	10 years
Spare parts guaranteed	10 years



Balance Beam

KPL819



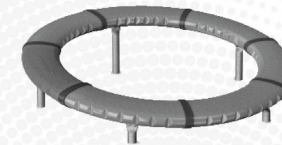
Cradle to Gate A1-A3	Total CO ₂ emission	CO ₂ e/kg	Recycled materials
	kg CO ₂ e	kg CO ₂ e/kg	%
KPL819-0601	26.60	0.97	15.60

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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Denmark



Verification of CO₂ calculation of: Freestanding play equipment



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: "Freestanding play equipment" represented by item no.: GXY916012-3417.

(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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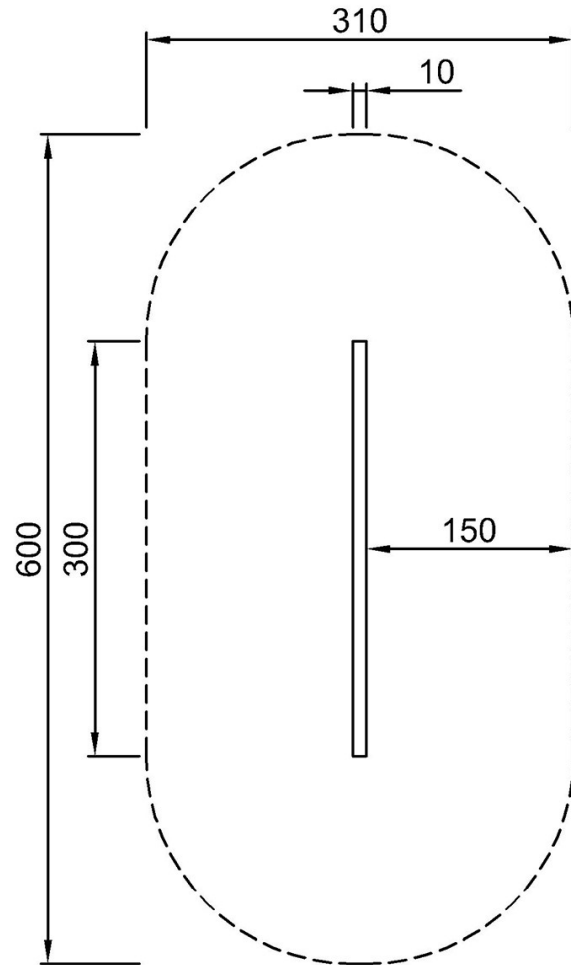


Balance Beam

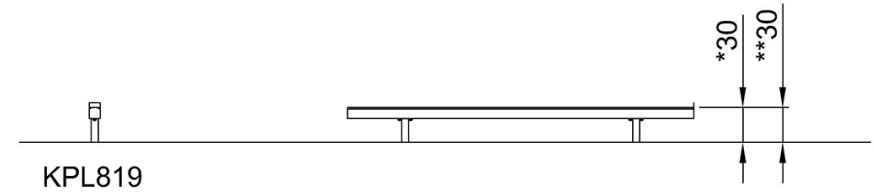
KPL819

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

* Max fall height | ** Total height



KPL819-xx01
*30cm
**30cm
***16.6m²



[Click to see TOP VIEW](#)

[Click to see SIDE VIEW](#)

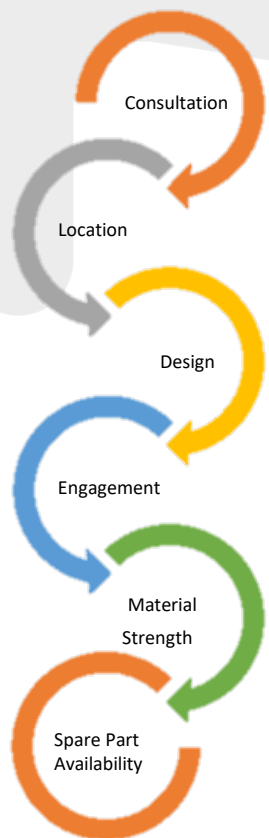


Vandalism (1.2.3.1) & (2.12)

Resistance to Vandalism

At KOMPAN, we understand the upset, frustration and expense that will result from vandalism of an outdoor play, sport and fitness site, so we suggest a six-step model that will improve the success of the site in terms of providing resistance to vandalism.

Many play companies will focus on reducing the effect of vandalism and only talk about material strength and spare parts, but at KOMPAN we also focus on the reducing the cause through the first four stages of consultation, location, design and engagement.



Consultation

Involving the community from the start and understanding their needs will give the project a far greater chance of engagement and ownership once the playground is completed and handed over. Talk to KOMPAN about how we can help.

Location

A location with good visibility into the site from as many sides as possible is preferred; the more eyes and people watching, the less chance of anti-social behaviour.

Design

Our designer will work with you to design in transparency of the equipment, limit the potential for damage and graffiti and direct children to preferred hang out areas. The use of lighting and cameras may be considered if budget allows.

Engagement

A community that loves the playground are more likely to informally police the area and report anti-social behaviour sooner rather than later, Community engagement throughout the process is key and an opening event will bring everyone together.

Material Strength

Our designer will work with you to ensure the best fit material solution for you project

Spare Part Availability

A rapid response to damaged or worn-out equipment will reduce the frustration and potential for further anti-social behaviour caused by out of service equipment.

Resistance to Vandalism

KOMPAN Playgrounds must withstand the wear and tear of weather, heavy usage, and vandalism. Using the highest quality materials that need minimum maintenance, our play spaces look great for decades, and therefore are heavily used, which means it helps deter vandals, as most vandalism occurs when play spaces are little used or look unkept.

To help reduce the risk of vandalism and theft KOMPAN have examined as many ways as possible to introduce measures that also reduce on going replacement costs throughout the lifetime of the equipment.

Included in the measures are: -

- ✦ Bolt connections are secured and covered with tamper proof infill caps designed to fit within our fixings and require a special KOMPAN tool (supplied with the product) for removal of the fixing.
- ✦ Uncovered bolt connections are provided with special anti-theft torx applications which can only be loosened with special tools ensuring you have tamper/vandal proof fittings.
- ✦ Ropes are more robust than other manufacturers as within the rope, are galvanized 6 stranded steel wires and steel core, impossible to wear through. Each strand is wrapped in PES yarn which is then melted onto each strand making each rope highly vandalism resistance.
- ✦ Play Panels are made of EcoCore which is a highly vandal resistant material against breaking or if scratched the colour is not affected. Maximum UV protection prevents fading in the sun.
- ✦ KOMPAN basket seats are designed with vandalism in mind. Most existing seats provided in the market have edges and baskets wrapped in rope which are notorious for being unraveled or burnt, whereas KOMPAN Shell Nest seat have a solid structure and edges.
- ✦ All KOMPAN swings have Anti Twist mechanisms as standard, “the only company to do this”, to stop vandals twisting seats to make them higher and over time causing damage to the seats and chains. Anti-Wrap bearings can also be fitted, which helps reduce to damage to the cross bar when seats and chains are wrapped around them.
- ✦ HPL Decks are 18mm thick. This thickness makes the decks stronger and helps stop breakages through vandalism.
- ✦ Equipment that has a Powder Coated finish has Galvanised steel so should the powder coat surface be damaged through vandalism; the risk of rusting is greatly reduced.
- ✦ You will find lot of posts, spindles, handrails, bars, seat frames etc. are constructed using galvanized round bar, or tubing. This is because it makes components stronger and able to withstand Vandalism better.



Colour Options 2.5

Colour Options - Climby Shifter

Within our proposal we will supply a Climby Shifter which has multiple colour options you are able to choose from.



