

# Surface Challenge 3

FSW224



Item no. FSW22400-0902

## General Product Information

Dimensions LxWxH 101x431x105 cm

Age group 13+

Play capacity (users) 5

Colour options 



See KOMPAN Fit app for more



One of the major problems for elderly people is falling. These accidents often happen because the elderly person is not able to overcome or react to minor changes in the surface. The surface challenge gives the opportunity to, under safe conditions, train to overcome typical obstacles found in nature and urban environments. Some of the challenges focus

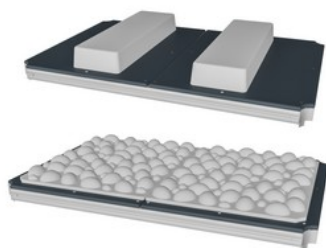
on the important toe-lift, either on small obstacles or bigger ones like the curb. Other challenges focus on the ankle and overall foot control. Finally, the different surfaces and materials stimulate sensory feedback which also enhances gait stability.

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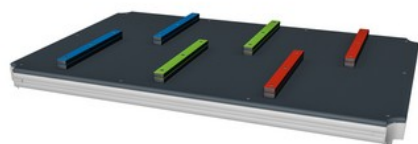
The Robinia bars are made from de-barked and sap free Robinia trunks in various dimensions. Robinia is a native European wood species with high strength and natural durability in various climatic conditions. KOMPAN uses wood from FSC-certified sources.



The stone surface is made from polymer concrete (polyester concrete), which is a mixture of sand, gravel and dust mixed with polyester. The material is five times stronger and more waterproof than ordinary concrete, which guarantees longevity and low maintenance.



Handrail intended as grips during exercises are made of hot-dip galvanised steel  $\varnothing 38\text{mm}$ , a great diameter for a good grip and to support the wrist. The height of the handrail is 940mm from the top of the HPL plate. The distance between the rails is 900mm.



All challenges are mounted on HPL plates of 1396x896x18mm. High-pressure laminate plates (HPL) have a moulded-in non-skid surface and HPL, which are rated as high-wearing materials.



All of KOMPAN's fitness products are compliant with AS 4685:2021, ASTM F3101 & EN16630 Outdoor Fitness Standards. Load tests are performed to the specified load of 78kg per user. A product intended for one user is loaded with 420kg.



The information sign is made of a PA6 (Polyamide) and shows the most relevant exercises. When users scan the QR code, this will link them to an animated illustration of the exercise and offers the possibility of downloading the KOMPAN Fitness App, which is programmed with many more exercise alternatives.

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### Installation Information

Max. fall height	20 cm
Safety surfacing area	27.1 m <sup>2</sup>
Total installation time	7.8
Excavation volume	0.23 m <sup>3</sup>
Concrete volume	0.12 m <sup>3</sup>
Footing depth (standard)	90 cm
Shipment weight	433 kg
Anchoring options	In-ground ✓ Surface ✓

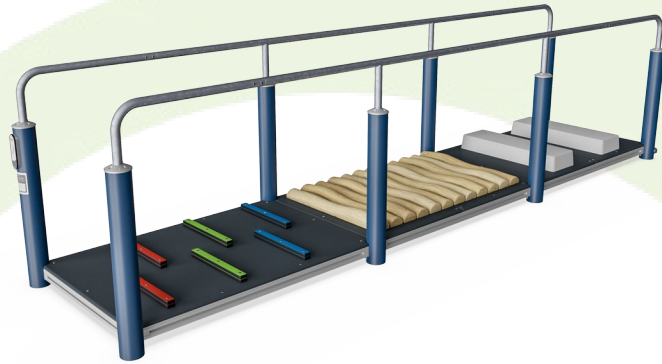
### Warranty Information

Connectors	10 years
Galvanised Steel	Lifetime
HPL Decks	15 years
Post	10 years
Spare Parts Guarantee	10 years



# Sustainability Data

FSW224



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	%
<b>FSW22400-0902</b>	537.42	1.88	23.82

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: Fitness



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: "Fitness" represented by item no.: FAZ10100-0900.

(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.

**Publication date: 30. October 2023**

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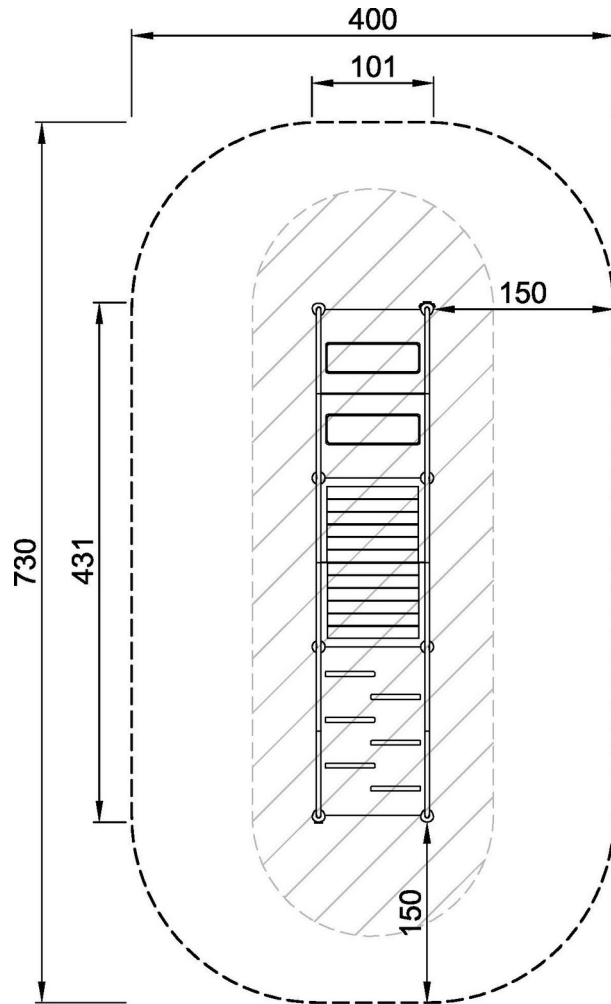


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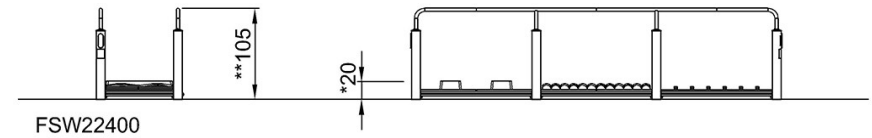
FSW224

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

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



FSW22400  
\*20cm  
\*\*105cm  
\*\*\*27.1m<sup>2</sup>  
1:100



[Click to see TOP VIEW](#)

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