

LTMM – LABORATÓRIO DE TECNOLOGIA DA MADEIRA E MOBILIÁRIO

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Customer: NASA INDUSTRIAL IMPORTACAO E EXPORTACAO DE MANUFATURADOS LTDA
CNPJ: 80.976.053/0001-81
Address: José Endler, 240 – Campo Alegre / SC – CEP: 89.294-000.

Commercial proposal: 7810.2025
Date received: 7/24/2025
Test date: 9/3/2025 to 10/31/2025
Report date: 11/4/2025

Sample



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1 –TEST PERFORMED:

Bunk beds – Strength test, durability and dimensional evaluation.

2 - SAMPLE CHARACTERISTICS AND IDENTIFICATION:

Sample Identification: Beliche Alpi

Sample Material: Wood.

Finishing: White.

Other information: The sample was received assembled.

Sample Size (mm)	Length	Height	Width	Bed base height
External dimensions	2077	1425	1033	Upper: 1112 mm Lower: 283 mm

3 - TEST METHODS:

Test based on the standards EN 747:2024 Furniture – Bunk beds and high beds – Parte 1 and Part 2.

EN 747:2024

CLAUSE	TEST	RESULT				COMMENTS
4	Safety requirements					
4.1	Constructions					
4.1.1	General					
a)	Accessible edges and corners.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
b)	Open ended tubes.	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
c)	Assembly and pilot holes.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
d)	Vertically protruding parts on the top of the upper bed.	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
e)	Protruding vertical parts at the top of the upper bed.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
e)	Dismantle the bed or its components.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
4.1.2	Accessible holes gaps and openings					
4.1.2.1	General (07mm and 12 mm).	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
4.1.2.2	Head entrapment on the outside of the bunk bed/high bed.	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
4.1.3	Bed base					
4.1.3.1	Distance between the bed base upper surface of lower bed base.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
4.1.3.2 a)	Gaps between the bed base and the side or ends (25 mm probe).	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
b)	Gaps between the bed base components (75 mm probe).	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
c)	The bed base shall allow ventilation.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
4.1.3.4 a)	Structural integrity	Evaluation according to the results of section 6.4.3 of EN 747-2:2024.				
4.1.3.4 b)	Structural integrity	Evaluation according to the results of sections 6.4.2.1, 6.4.2.2, and 6.4.2.3 of EN 747-2:2024.				
6.4.2.1	Upwards and downwards static load test.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
6.4.2.2	Durability test.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
6.4.2.3	Impact test.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
4.1.4	Safety barriers around upper beds					
Any upper bed shall be equipped with a continuous safety barrier all around the bed with the following exceptions to facilitate access and egress:						
a)	A single opening in the barrier leading directly to the means of access is permitted on the long side of the bed / A single	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--

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	opening in the barrier leading directly to an access platform conforming to 4.1.5.5 is permitted on any side of the bed.					
b)	When the bed is intended for use only in non-domestic settings, the structure of the building can act as a safety barrier, provided that the bed is fastened to it according to the manufacturer's instructions.	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
4.1.4.2 a)	Distance between the upper edge of the safety barriers and upper surface of the bed base.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	303 mm
b)	The top of the mattress.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	166 mm
c)	The opening for access.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	350 mm
d)	The horizontal distance between the outside of the top safety barrier and the vertical projection.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	18 mm
e)	The clear space between two adjacent retaining elements.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
4.1.4.3	Gaps between the ends of the safety barrier and the bed end structures shall not exceed 7 mm, when tested according to 6.3.1 of EN 747-2:2024.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
4.1.4.4	Structural integrity	Safety barriers shall not become damaged or loosened when tested according to 6.4.3 of EN 747-2:2024.				
6.4.3	Test of the safety barriers around bed.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
4.1.5	Ladders and other means of access					
4.1.5.1 a)	The upper bed shall have at least one separate means of access. If the upper bed has more than one means of access, the horizontal distance between the two means of access shall be more than 500 mm.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
b)	If there is no opening for access in the safety barrier the distance between the top tread or upper surface of the access platform and the top of the safety barrier shall not be more than 500 mm. The bed frame of any upper bed is not considered to be a tread.	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
c)	There shall be no components, e.g. drawers, shelves, flaps and doors, that interfere with the usable area of the treads.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
4.1.5.2	Gaps and openings	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
4.1.5.3	Ladders	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
a)	The ladder shall either be vertical or shall be inclined towards the upper bed or the access platform (see 4.1.4.1).	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
b)	If there is an opening for access in the safety barrier, the distance between the top tread and the highest point of the opening shall not be more than 500 mm.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	292 mm
c)	The distance from the floor to the upper surface of the first tread shall not exceed 400 mm.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	324 mm

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d)	The vertical distance between the upper surfaces of two successive treads shall be (250 ± 50) mm.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	267 / 268 mm
e)	The distance between the upper surfaces of the treads shall be equal with a tolerance of ± 5 mm.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	267 / 268 mm
f)	The treads shall be horizontal in width within ± 3°.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
g)	The clear distance between two successive treads shall be at least 200 mm.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	207 / 208 mm
h)	The usable width of the treads shall be at least 300 mm.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	350 mm
i)	The front edges of all treads shall lie on a straight line within ± 20 mm.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
j)	With the exception of the frame of any upper bed, the bed frame can be used as a tread as long as the requirements in 4.1.5.2 are fulfilled.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
k)	The effective step depth shall be measured without the mattress in place and shall be at least 90 mm.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	Free
4.1.5.4	Stairs and handrails					
4.1.5.4.1	The handrail shall commence at the lowest tread and continue to the safety barrier around the access platform or the bed.	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
a)	Any gaps in or below the handrail shall conform with the requirements of 4.1.7 (a) and (b)	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
b)	The front of each tread shall be vertically above, or extended beyond, the back of each tread below, so that, when viewed from above, no gap is visible.	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
c)	4.1.5.4.2 Dimensional requirements	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
a)	The handrail shall be not less than 600 mm and not more than 850 mm above the standing surface.	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
b)	The width of the handrail shall not exceed 60 mm.	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
c)	The vertical distance between the upper surfaces of two successive treads shall be (250 ± 50) mm.	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
d)	The clear distance between two successive treads shall be at least 200 mm.	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
e)	The distance between the upper surfaces of the treads shall be equal with a tolerance of ± 5 mm.	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
f)	The treads shall be horizontal in both depth and width within ± 3°.	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
g)	The usable width of the treads shall be at least 450 mm.	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
h)	The front edges of all treads shall lie on a straight line within ± 20 mm.	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
i)	The minimum depth of each tread shall be 200 mm.	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
4.1.5.4.3	Structural integrity	When tested according to EN 747-2:2024, 6.4.5.5, the handrails shall not break or detach.				
6.4.5.5	Handrails.	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--

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4.1.5.5	Additional requirements for access platforms					
4.1.5.5.1	General requirements	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
a)	The access platform shall be secured to the bunk bed / high bed structure.	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
b)	Shall not be able to be detached from the structure without the use of a tool.	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
c)	The access platform shall have a minimum width of at least the usable tread width.	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
d)	The depth shall be at least the width of the opening for access to the sleeping surface.	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
e)	The access platform shall be vertically in line with the opening for access to the sleeping surface.	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
f)	With the exception of the side attached to the bed and the opening for the means of access to the access platform, it shall be fitted with continuous barriers.	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
g)	If the access platform is at a short end of the bed, the direction of the means of access shall be perpendicular to the direction of access to the bed through the opening.	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
4.1.5.5.2	Dimensional requirements	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
a)	If there is an opening for access in the safety barrier, the vertical distance between the upper surface of the access platform and the maximum mattress thickness mark shall not be more than 500 mm.	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
b)	The height of the platform barriers shall be at least 600 mm above the upper surface of the access platform.	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
4.1.5.5.3	Gaps and openings.	The gaps in the access platform barriers shall conform with the requirements of 4.1.7 (a) and (b).				
4.1.7	All other accessible holes, gaps or openings not covered in 4.1.2 to 4.1.6 shall be either:					
	At least 12 mm but not more than 25 mm	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
	At least 60 mm but not more than 75 mm	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
	At least 200 mm.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
4.1.5.5.4	Structural integrity	The access platform barriers shall not become damaged or loosened when tested with horizontal outward static load and downwards static load according to 6.4.6.2 of EN 747-2:2024.				
6.4.6.2	Static load on platform barriers.	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
4.1.5.5.4	Structural integrity	The access platform frame and structural fastenings shall not become damaged or loosened when tested with downward static load and impact test according to 6.4.6.3 and 6.4.6.4 of EN 747-2:2024.				
6.4.6.3	Platform static load test.	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
6.4.6.4	Platform impact test.	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
4.1.6	Shear and squeeze points.					
4.1.6.1	General	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
4.1.6.2	Shear and squeeze points when setting up and folding	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
4.1.6.3	Shear and squeeze points under the influence of powered mechanisms	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--

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4.1.6.4	Shear and squeeze points during use	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
4.2	Strength of means of access: attachment, deflection and strength					
	An upper bed shall be provided with a means of access, which shall not break, become detached or deform permanently by more than 5 mm when tested according to 6.4.5.1 to 6.4.5.4 of EN 747-2:2024.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
6.4.5.1	Vertical static load on treads of stairs and ladders.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
6.4.5.2	Horizontal static loads on treads of ladders.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
6.4.5.3	Durability of treads of stairs and ladders.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
6.4.5.4	Tread impact test of stairs and ladders.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
4.3	Strength of frame and fastenings	Regardless of the manufacturer's instructions the tests according to 6.4.4 of EN747-2:2024 are applicable to all beds which can be free standing. When tested, the frame and structural fastenings shall not be damaged or malfunction; nor shall any part detach.				
6.4.4	Durability test of frame and fastenings.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
4.4	Stability	Regardless of the manufacturer's instructions the stability test is applicable to all beds which can be free standing. When tested according to 6.5 of EN 747-2:2024, the bed shall not overturn. If the product overturns, the product shall be supplied with wall attachment device(s), be visibly and permanently marked in accordance with 5.1 e), and the Warning sentences given in 5.2 e) and 5.3 d) shall be provided.				
6.5	Stability test.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
4.5	Fastening of the higher bed to the lower bed	For bunk beds, the higher bed shall be connected to the lower bed in such a manner that it is not separated after testing according to 6.6 of EN 747-2:2024.				
6.6	Fastening of the top bed to the bottom bed	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
5	Product information					
5.1	Marking					
	All beds shall be clearly and permanently marked with the following information:					
a)	Name or trademark of the manufacturer or importer;	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
b)	Maximum thickness of the mattress to be used with the bed. This can be in the form of text, a line on the bed at the correct height, or by other means;	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
c)	Any bed with a bed base higher than 600mm shall be marked with either the text or pictogram visible when in use as follows: "This bed is not suitable for children under six years." , or a pictogram at least 25 mm x 25 mm.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
d)	Number and year of this European Standard: "EN 747-1:2024";	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
e)	If applicable, the marking WARNING "This product must be attached to a wall or building structure" .	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--

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5.2	Instructions for use					
	The instructions shall be headed: IMPORTANT – READ CAREFULLY – RETAIN FOR FUTURE REFERENCE	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
	a) If the product is a bunk bed: WARNING “The upper bed is not suitable for children under six years due to the risk of injury from falls”;	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
	b) If the product is a high bed: WARNING “This bed is not suitable for children under six years due to the risk of injury from falls”;	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
	c) For bunk beds and high beds: WARNING , “Bunk beds / high beds can present a serious risk of injury from strangulation if not used correctly. Never attach or hang items to any part of the bunk bed / high bed that are not designed to be used with the bed, for example, but not limited to ropes, strings, cords, hooks, belts and bags”; WARNING “Children can become trapped between the bed and the wall, a roof pitch, the ceiling, adjoining pieces of furniture (e.g. cupboards) and the like. To avoid risk of serious injury the distance between the top safety barrier and the adjoining structure must not exceed 75 mm or must be more than 230 mm”; WARNING “Do not use this bunk bed / high bed if any structural part is broken or missing”;	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
	d) If the product is fitted with a platform; WARNING “Always ensure the platform and the ladder / stairs are permanently attached to this bunk bed before use”	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
	e) If the product is required to be attached to a structure of the building or fails the requirement in 4.4 the following warning: WARNING “This product must be attached to a wall or building structure”	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
	f) Always follow the manufacturer’s instructions;	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
	g) The recommended size (length, width and thickness) of the mattress(es);	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
	h) A statement that ventilation of the room is necessary in order to keep the humidity low and to prevent mould in and around the bed;	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
	i) For bunk beds/high beds capable of being assembled or disassembled, assembly instructions including a list of the parts supplied and details of any tools required to assemble the bed;	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--

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	j) Instructions regarding positioning and connection of the means of access;	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
	k) The maximum thickness of the mattress (see 4.1.4) as well as information regarding the mattress maximum thickness marking;	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
	l) A statement to check regularly that all assembly fastenings are properly tightened;	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
	m) The number and year of this European Standard: "EN 747-1:2024";	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
	n) Name and/or trademark of the manufacturer or importer and the respective European address.	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input type="checkbox"/> N/T	--
5.3	Purchase information					
a)	Name and/or trademark of the manufacturer or importer and the respective European address;	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> N/T	--
b)	A statement or a pictogram to inform that the high/upper bed is not suitable for children under six years.	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> N/T	--
c)	if not supplied with the product, the recommended size (length, width and thickness) of the mattresses;	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> N/T	--
d)	if the product is required to be attached to a structure of the building or fails the requirement in 4.4 the following warning: WARNING "This product must be attached to a wall or building structure" NOTE If the product is sold through internet, the point of sale is the web page where the product is sold.	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> N/T	--

5 – TECHNICAL OPINION: Not Applicable.

6 – REVIEW:

FM 81236.01.2025: The test items 6.4.3 and 6.4.4 have been repeated.

7 – ATTACHMENTS: Pictures of the product tested.

Gilson Marciniack
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Pictures of the product tested.



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¹ Report end.