



Test Report

No.: 70.404.24.14090.01

Date: 2025-01-09

Applicant: MILENYUM METAL DIS TIC VE SAN A.S.
Address: 8TH STR. NO:9 KAYSERI FREE ZONE 38070 KAYSERI / TURKEY
Product Name: CLOVE MODEL METAL BUNK BED
Model No.: 90CM X 200CM
Manufacturer: MILENYUM METAL DIS TIC VE SAN A.S.
Buyer: MILENYUM METAL DIS TIC VE SAN A.S.
Country of Origin: TURKEY
Country of Destination: TURKEY
Receipt Date of Sample: 2024-12-23
Date of Testing: 2024-12-23 to 2025-01-09
Sample Submitted: The sample(s) was (were) submitted by applicant and identified.
Test Result: Refer to the data listed in following pages

Test Item

1. EN 747-1:2024 Furniture-Bunk beds and high beds-Part 1: Safety, strength and durability requirements (EN 747-2:2024 Furniture-Bunk beds and high beds-Part 2: Test methods)

Conclusion

PASS

TÜV SÜD Certification and Testing (China) Co., Ltd. Shanghai Branch

Testing Center

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Unless otherwise agreed upon, Pass or Fail verdicts are given based on the measured values without any considerations of measurement uncertainties. Please note, every test method has a measurement uncertainty which has been evaluated by the laboratory according to ISO/IEC 17025 requirements. By taking measurement uncertainties into account it might happen that measured values can neither be assessed as Pass nor as Fail.

Description of Tested Subject:

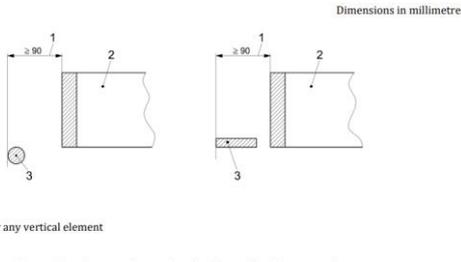
1	Product Description	CLOVE MODEL METAL BUNK BED
2	Dimensions / Weight	D1580 x W2083 x H1855 (mm) / 36.9 (kg)
Front view		Side view
		
Back view		Bottom view
		



Test Result(s):

1. EN 747-1:2024 Furniture-Bunk beds and high beds-Part 1: Safety, strength and durability requirements(EN 747-2:2024 Furniture-Bunk beds and high beds-Part 2: Test methods)

Clause	Requirement	Test Result	Conclusion
4	Safety requirements		P
4.1	Construction		P
4.1.1	General		P
4.1.2	Accessible holes, gaps and openings		-
4.1.2.1	General		P
4.1.2.2	Head entrapment on the outside of the bunk bed/high bed		N/A
4.1.3	Bed base		-
4.1.3.1	Dimensional requirements		N/A
4.1.3.2	Gaps and openings		P
4.1.3.3	Ventilation		P
4.1.3.4	Structural integrity		P
4.1.4	Safety barriers around upper beds		-
4.1.4.1	General requirements		P
4.1.4.2	Dimensional requirements		P
4.1.4.3	Gaps and openings		P
4.1.4.4	Structural integrity		P
4.1.5	Means of access		-
4.1.5.1	General		P
4.1.5.2	Gaps and openings		P
4.1.5.3	The ladder shall either be vertical or shall be inclined towards the upper bed or the access platform (see 4.1.4.1).		P
	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.		P
	The distance from the floor to the upper surface of the first tread shall not exceed 400 mm.		P
	The vertical distance between the upper surfaces of two successive treads shall be (250 ± 50) mm.		P
	The distance between the upper surfaces of the treads shall be equal with a tolerance of ± 5 mm.		P
	The treads shall be horizontal in width within ± 3°.		P
	The clear distance between two successive treads shall be at least 200 mm.		P
	The usable width of the treads shall be at least 300 mm.		P
	The front edges of all treads shall lie on a straight line within ± 20 mm.		P

Clause	Requirement	Test Result	Conclusion
	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.		
	<p>The effective step depth shall be measured without the mattress in place and shall be at least 90 mm (see Figure 5).</p> <p style="text-align: right;">Dimensions in millimetres</p>  <p>Key 1 step depth 2 frame part or any vertical element 3 tread</p> <p style="text-align: center;">Figure 5 — Gaps and step depth - Example of construction</p>		P
4.1.5.4	Stairs and handrails		-
4.1.5.4.1	General requirements		N/A
4.1.5.4.2	<p>The handrail shall be not less than 600 mm and not more than 850 mm above the standing surface.</p> <p>The width of the handrail shall not exceed 60 mm.</p> <p>The vertical distance between the upper surfaces of two successive treads shall be (250 ± 50) mm.</p> <p>The clear distance between two successive treads shall be at least 200 mm.</p> <p>The distance between the upper surfaces of the treads shall be equal with a tolerance of ± 5 mm.</p> <p>The treads shall be horizontal in both depth and width within $\pm 3^\circ$.</p> <p>The usable width of the treads shall be at least 450 mm.</p> <p>The front edges of all treads shall lie on a straight line within ± 20 mm.</p> <p>The minimum depth of each tread shall be 200 mm</p>		N/A
4.1.5.4.3	Structural integrity		N/A
4.1.5.5	Additional requirements for access platforms (see A.4)		-
4.1.5.5.1	General requirements		N/A
4.1.5.5.2	Dimensional requirements		N/A
4.1.5.5.3	Gaps and openings		N/A
4.1.5.5.4	Structural integrity		N/A
4.1.6	Shear and squeeze points		P
4.1.7	All other accessible holes, gaps or openings		P
4.2	Strength of ladder or other means of access: Attachment, deflection and strength		P
4.3	Strength of frame and fastenings		P



Clause	Requirement	Test Result	Conclusion
4.4	Stability	The bed overturned at 95N, while mounting kit and warning sentences are provided	P
4.5	Fastening of the upper bed to the lower bed		N/A
5	Product information		-
5.1	Marking		P
5.2	Instructions for use		P
5.3	Purchase information		N/T
6.1	Inspection before testing		P
6.2	Inspection of product		P
6.3	Measurements		-
6.3.1	Holes, gaps and openings		P
6.3.2	V and irregular shaped holes, gaps and openings		N/A
6.4	Strength and durability tests		-
6.4.1	Positioning of the bed		P
6.4.2	Test of the bed base		-
6.4.2.1	Upwards and downwards static load test		P
6.4.2.2	Durability test		P
6.4.2.3	Impact test		P
6.4.3	Test of the safety barriers around bed		P
6.4.4	Durability test of frame and fastenings		P
6.4.5	Test of means of access		-
6.4.5.1	Vertical static load on treads of stairs and ladders		P
6.4.5.2	Horizontal static loads on treads of ladders		P
6.4.5.3	Durability of treads of stairs and ladders		P
6.4.5.4	Tread impact test of stairs and ladders		P
6.4.5.5	Handrails		N/A
6.4.6	Test of platforms and platform barriers		-
6.4.6.1	General		N/A
6.4.6.2	Static load on platform barriers		N/A
6.4.6.3	Platform static load test		N/A
6.4.6.4	Platform impact test		N/A
6.5	Stability test	The bed overturned at 95N, while mounting kit and warning sentences are provided	P
6.6	Fastening of the top bed to the bottom bed		N/A

Abbreviation: P=Pass; F=Fail; N/A = Not Applicable; N/T=Not Tested; N/R=Not Requested

Remark:

1. The sample has been examined according to the requirements described in the product standard.
2. The purchase information was not submitted by the client.

-End of Test Report-