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Testing of Sunne family bed

1 Introduction

On behalf of Mavis Möbler AB, a Sunne family bed has been tested by SP in accordance with EN 747:2007 Furniture – Bunk beds and high beds for domestic use.

2 Test specimen

Sunne family bed with the ability to resize the lower bed (see figure 2).



Figur 1 Sunne family bed



Figur 2 Sunne family bed with the lower bed resized

Dimensions: L=2100mm, H=1575 mm, W=970 mm (Resized: W=1270 mm)
Frame: Solid pinewood
Bed base: Solid pinewood
Ladder: Solid pinewood

The test specimen was selected by the customer and arrived at SP 2011-10-19.

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3 Test methods and test procedure

The test was carried out in accordance with:

- EN 747-1:2007 Furniture - Bunk beds and high beds for domestic use - Part 1: Safety, strength and durability requirements.
- EN 747-2:2007 Furniture - Bunk beds and high beds for domestic use - Part 2: Test methods.

Before testing the test specimen was conditioned for one week in a climate of 23±2°C and 50±5% relative humidity. Testing was carried out in this climate.

The test methods are explained in table 1 in accordance with EN 747:2007 Furniture – Bunk beds and high beds for domestic use.

Tests on ladders and strength of frame and fastenings are also conducted on the resized variants of bed. Unless otherwise specified, the result in table 1 applies to both tested variants.

The test was carried out over the period 2011-11-11 – 2011-11-17.

4 Results

The results are reported in table 1.

Table 1 Test record

Reference	Requirements	Req. fulfilled
EN 747-1:2007 clause 4.1	Materials	Yes
EN 747-1:2007 clause 4.2	Construction	Yes
EN 747-1:2007 clause 4.3	Safety barriers	Yes
EN 747-1:2007 clause 4.4	Holes, gaps and openings	Yes
EN 747-1:2007 clause 4.5	Bed base	Yes
EN 747-1:2007 clause 4.6.1	Ladder – Attachment, deflections and strength	Yes
EN 747-1:2007 clause 4.6.2	Ladder – Dimensions of footholds	Yes
EN 747-1:2007 clause 4.7	Strength of frame and fastenings	Yes
EN 747-1:2007 clause 4.8	Stability	Yes
EN 747-1:2007 clause 4.9	Fastenings of the upper bed	Yes
EN 747-1:2007 clause 5.	Instructions for use	Yes
EN 747-1:2007 clause 6.	Marking	Yes

5 Conclusion

At the end of the test, the tested bunk bed did not exhibit any faults, fractures or other damage judged to affect its safety when used in accordance with EN 747:2007 Furniture – Bunk beds and high beds for domestic use. The requirement has been met.

At the end of the test, the tested bunk bed did not exhibit any damage or deformation which is expected to affect its function or appearance.

The test results apply solely to the specimen tested.

SP Technical Research Institute of Sweden Wood Technology

Performed by



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Examined by



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