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Testing of tables according to prEN 15372:2015 (3 appendices)

Customer:	Lammhults Möbel AB
Test object/ID:	Table/Attach
Test method:	prEN 15372:2015 Furniture - Strength, durability and safety - Requirements for non-domestic tables. Test severity 2
Scope:	Complete test
Date of test:	2016-05-12 – 2016-05-17
Test result:	The tested object passed the test
Reservation:	The test results in this report apply only to the particular Equipment Under Test (EUT)
Test environment:	23 ± 2°C and 50 ± 5% relative humidity
Additional information:	The test result also complies with EN 15372:2008

SP Technical Research Institute of Sweden Sustainable Built Environment - Wood Technological Assessment

Performed by

Examined by

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Appendices

1. Test result (2 pages)
2. Description of test object (1 page)
3. Pictures (3 pages)

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Appendix 1

Test result

Abbreviations: N/A = Not applicable
N/T = Not tested

Table 1

1.	General requirements	prEN 15372:2015	Results
1.1	<p>The table shall be designed so as to minimise the risk of injury to the user.</p> <p>All parts of the table with which the user comes into contact during intended use, shall be designed so that physical injury and damage are avoided.</p> <p>This requirement is met when:</p> <ul style="list-style-type: none"> a. edges of table tops which are directly in contact with the user are rounded or chamfered, b. all other edges accessible during intended use are free from burrs and/or sharp edges, c. ends of hollow components with a diameter greater than 7 mm and less than 12 mm where the accessible depth is greater than 10 mm, are closed or capped. <p>Movable and adjustable parts shall be designed so that injuries and inadvertent operation are avoided.</p> <p>It shall not be possible for any load bearing part of the table to come loose unintentionally.</p> <p>All parts which are lubricated to assist sliding shall be designed to protect users from lubricant stains when in normal use.</p>	5.1	Pass

Table 2

2.	Shear and squeeze points	prEN 15372:2015	Results
2.1	<p>There shall be no shear and squeeze points created by parts of the table operated by powered mechanisms, i.e. springs, gas lifts and motorised systems.</p> <p>There shall be no shear and squeeze points created by forces applied during normal use.</p> <p><u>Note!</u> Shear and squeeze points that are created only during manually setting up and folding are acceptable, because the user can be assumed to be in control of his/her movements and to be able to cease applying the force immediately upon experiencing pain.</p>	5.2	Pass

Appendix 1

Table 3

3	Strength, durability	EN 1730:2012	Cycles	Load	Results
3.1	Horizontal static load test - Type 1 ¹ - Type 2	6.2	10 10	400 N 200 N	Pass N/A
3.2	Vertical static load test on main surface	6.3.1	10	1250 N	Pass
3.3	Additional vertical static load test where the main surface has a length > 1 600 mm	6.3.2	10	1000 N	Pass
3.4	Vertical static load test on ancillary surface ²	6.3.3	10	300 N	N/A
3.5	Horizontal durability test	6.4.1 6.4.2	15 000	300 N	Pass
3.6	Vertical durability test (For cantilever or pedestal tables)	6.5	15 000	300 N	Pass
3.7	Vertical impact test (for tables with glass in their construction) - Safety glass ³ - Other glass	6.6.1 6.6.2	10 10	180 mm 240 mm	N/A N/A
3.8	Vertical impact test for all other table tops	6.6.1 6.6.3	10	180 mm	Pass
3.9	Drop test (for tables weighting more than 20 kg) - For tables without glass - For tables with glass	6.9	5 5	100 mm 50 mm	Pass N/A
3.10	Stability under vertical load test ⁴ - Main surface (max 400 N) - Ancillary surface (max 200 N)	7.2	1 1	400 N x N	Pass N/A
3.11	Stability for tables with extension elements	7.3	1	200 N	N/A

¹ Type 1 tables have a main surface 600 mm or more above the floor surface and a surface area greater than 0.25 m². All other tables are considered as Type 2.

² A table extension added in the centre of the table shall be considered as the main surface. A part of the main surface in the unextended configuration may become an ancillary surface in the extended configuration.

³ Glass is considered to be safety glass if the glass fulfils the requirements in EN 12150-1:2012, Clause 8, fragmentation test; or where the mode of breakage (β) according to EN 12600, is Type B or Type C.

⁴ Loads for stability tests are calculated according to table 2 in EN 1730:2012.

Appendix 2

Description of test Object

Test object/ID: Table/Attach

Dimensions

Width: 2900 mm

Depth: 1200 mm

Height: 732 mm

Mass: 88.3 kg

Components

Frame/legs: Aluminium/Metal

Table top: MDF Board 22 mm

Functions: -

Sampling: The test object was selected by the customer

Date of arrival at
SP test laboratory: 2016-04-15

Observed defects before testing: No defects

Appendix 3

Pictures



Figure 1



Figure 2

Appendix 3



Figure 3

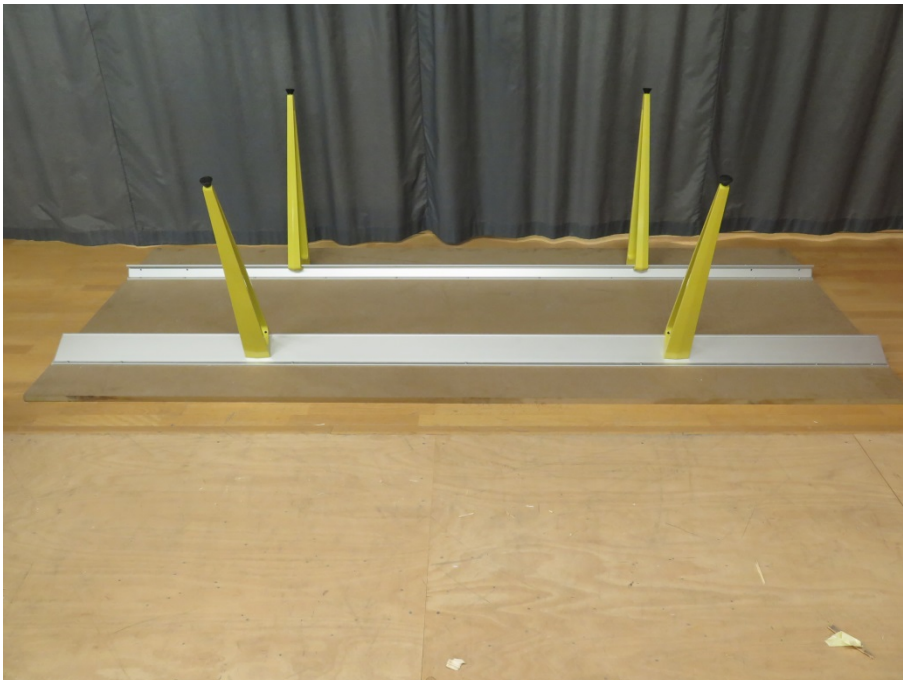


Figure 4

Appendix 3



Figure 5



Figure 6