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Testing of Walette nursing table

1 Introduction

On behalf of byBO design AB a Walette nursing table has been tested by SP in accordance with SS-EN 12221:2008 Changing Units for Domestic Use, part 1 Safety Requirements and part 2 Test Methods in relevant parts.

2 Test object

Picture 1 Test object



Changing surface and barriers: Compressed plywood, birch
Changing area: 415 - 470 x 750 (WxL)

The test object was selected by the client and arrived at SP assembled, on June 16, 2008.

The age of the object is not known.

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3 Testing

Testing was carried out in parts related to the nursing surface according to SS-EN 12221:2008 Changing Units for Domestic Use, part 1 Safety Requirements and part 2 Test Methods. See table 1.

Prior to testing the test object was not conditioned for one week at a temperature of 23°C ±2°C and relative humidity of 50% ±5% in accordance with the standard. Testing was carried out under the same conditions.

Testing was carried out Aug 11 – 29, 2008.

4 Results

The results from the test are shown in table 1.

Table 1 Results

SS-EN 12221-1	Requirements	Req. fulfilled
4.1	The dimensions of the changing area, when measured in accordance with 5.2 of EN 12221-2:2008 shall be for type 1 changing units at least width: 380 mm, length: 650 mm, and type 2 changing units at least width: 550 mm and length: 750 mm.	√ Type 1
4.2.1	Wood, wood-based materials and materials of vegetable origin shall be free from decay and insect attack when checked in accordance with 5.1 of EN 12221-2:2008.	√
4.2.2	Surfaces and materials Any coating of paint, varnish, lacquer or similar substances and parts consisting of dyed materials, leather, textiles, and plastics materials within the accessibility zone shall be made using products which in their soluble compound do not exceed the following amounts: Antimony: 60 mg/kg Arsenic: 25 mg/kg Barium: 1000 mg/kg Cadmium: 75 mg/kg Chromium: 60 mg/kg Lead: 90 mg/kg Mercury: 60 mg/kg Selenium: 500 mg/kg The test procedure is defined in EN 71-3.	√
5.1.1	Entrapment of fingers Within the accessibility zone there shall be no holes, gaps and openings with a width greater than 7 mm and less than 12 mm, unless the depth is less than 10 mm when measured in accordance with 5.3.1 of EN 12221-2:2008.	√
5.1.2	Entrapment of limbs Within the accessibility zone there shall be no holes, gaps and openings having a width greater than 25 mm and smaller than 45 mm when measured in accordance with clause 5.3.2 of EN 12221-2:2008.	√

SS-EN 12221-1	Requirements	Req. fulfilled
5.1.3.1	Entrapment of head, neck and torso Within the accessibility zone there shall be no hole, gap or opening larger than 65 mm and less than 223 mm when measured in accordance with 5.3.3.1 of EN 12221-2:2008.	√
5.1.3.2	Within the area 600 mm above the floor to the accessibility zone, see Figure 2, there shall be no hole, gap or opening accessible in normal use that allows the type 1 head probe to pass completely through unless it also allows the type 2 head probe to pass completely through, when tested in accordance with 5.3.3.2 of EN 12221-2:2008.	
5.1.3.3	V-shaped openings Within the area 200 mm above the floor to the accessibility zone any hole, gap or opening accessible in normal use that allows the type 1 head probe to pass completely through shall not be a V-shaped opening as defined in 3.6 when tested in accordance with 5.3.3.3 of EN 12221-2:2008.	
5.1.4	Cords, strings and other narrow fabrics (e.g. those used for ties) shall have a free length of not more than 220 mm when tested in accordance with 5.3.4 of EN 12221-2:2008.	Not applicable
5.1.5	Loops shall not have a peripheral dimension greater than 360 mm when tested in accordance with 5.3.5 of EN 12221-2:2008.	Not applicable
5.2	Edges and protruding parts accessible in normal use shall be rounded or chamfered and free of burrs (see 5.3.6 of EN 12221-2:2008). The upper edges of the barriers and the changing surface shall have a radius of not less than 2 mm.	√
5.3	Moving parts When the changing unit is erected ready for use the distance between two parts within the accessibility zone which move relative to each other shall always be less than 5 mm or more than 12 mm throughout the entire movement when tested in accordance with 5.4 of EN 12221-2:2008.	Not applicable
5.4	Locking and folding mechanisms shall function correctly before and after being tested in accordance with 5.10 of EN 12221-2:2008. When the changing unit is erected ready for use, the locking mechanisms shall fulfil one of the following requirements: a) require a minimum force of 50 N to release the folding mechanism before and after being tested according to 5.10.2 of EN 12221-2:2008; or b) require at least two consecutive actions to release the mechanism, the operation of the second being dependent on the first having been carried out and maintained; or c) require at least two separate but simultaneous actions to release the mechanism, operating on different principles. (Wall mounted changing units and changing board flaps are excluded from this requirement).	Not applicable
5.5	Any small detachable component of the changing unit that can be detached when tested in accordance with 5.5 of EN 12221-2:2008 shall not fit wholly in the cylinder described in 4.10 of EN 12221-2:2008.	Not applicable

SS-EN 12221-1	Requirements	Req. fulfilled
5.6	<p>Castors/wheels shall not be fitted except in the arrangement, either:</p> <ul style="list-style-type: none"> - two or more castors/wheels and at least two other support points; or - four or more castors/wheels, of which at least two can be locked. <p>The locks shall prevent the castors/wheels from rolling and they shall not unlock when tested in accordance with 5.12 of EN 12221-2:2008.</p>	Not applicable
5.7	<p>Self-tapping screws shall not be used to fasten any component that is designed to be removed or loosened when dismantling the changing units for purposes of transportation or storage.</p>	√
5.8	<p>Stability When tested in accordance with 5.6 of EN 12221-2:2008, the changing unit shall not overturn and the maximum movement of any changing board flap shall be 10° from its Closed position.</p>	Not applicable
5.9	<p>Strength When tested in accordance with 5.7 of EN 12221-2:2008 the function of the changing unit shall be unimpaired.</p>	√
5.10	<p>Extension elements Extension elements located above the changing area shall be fitted with effective open stops.</p>	Not applicable
5.11	<p>Barriers shall be provided as an integral part of the changing unit or by means of an additional item, e.g. barrier pad that can be affixed to the changing unit.</p> <ul style="list-style-type: none"> a) if w is greater than l and greater than 600 mm then the changing area shall have barriers on three sides of the changing area covering at least 75 % of l b) if l is greater than w the changing area shall have barriers on two sides of the changing area covering at least 90% of l <p>Where w is the width of the changing area (see 4.1) and l is the length of the changing area (see 4.1). For wall-mounted units, the wall is to be considered as a barrier for this side.</p>	√
5.12.1	<p>Impact test Where the changing unit has a flap, which allows for an additional function, for example access to a bathtub, it shall not close and the fittings, e.g. locking mechanisms, hinges etc. shall not be damaged when tested in accordance with 5.9.1 of EN 12221-2:2008 .</p>	Not applicable
5.12.2	<p>Drop test Where the changing unit has a flap, locking mechanisms, hinges etc. shall not be damaged and the changing unit shall function normally after testing in accordance with 5.9.2 of EN 12221-2:2008.</p>	Not applicable
5.13	<p>Child bath tub After testing in accordance with 5.11 of EN 12221-2:2008, no breakage or leakage shall be observed. The child bathtub and the changing unit shall remain intact and function normally.</p>	Not applicable

SS-EN 12221-1	Requirements	Req. fulfilled
6	<p>Plastic packaging Any plastic covering used as packaging that does not fulfil the requirements of EN 71-1, shall be conspicuously marked in the official language(s) of the country where the changing unit is sold with the following statement:</p> <p>"TO AVOID DANGER OF SUFFOCATION REMOVE PLASTIC COVER BEFORE USING THIS ARTICLE. THIS COVER SHALL BE DESTROYED OR KEPT AWAY FROM CHILDREN"</p>	Not applicable
7	<p>Instructions for use Instructions shall be provided in the official language(s) of the country where the unit is sold. These instructions shall be headed "IMPORTANT. RETAIN FOR FUTURE REFERENCE. READ CAREFULLY". These instructions shall include the following:</p> <ul style="list-style-type: none"> a) the warning: WARNING: "Do not leave the child unattended"; b) an assembly drawing, list and description of all parts and tools required for assembly and a diagram of the bolts and other fastenings required; c) statement that all assembly fittings shall always be correctly tightened and checked regularly; d) be aware of the risk of open fires and other sources of strong heat, such as electric bar fires, gas fires, etc. in the near vicinity of the changing unit; e) cleaning and maintenance recommendations; f) if a pad is not supplied with the unit, guidance on what changing pad, if any, is to be used and how to affix it in order to provide sufficient barriers; g) information concerning the adequate height of the unit and mounting instructions for wall mounted units; h) when applicable, information that the changing unit must be fixed to the wall for safe use of the product and that fastenings used should be appropriate to the wall; i) statement that when lockable castors/wheels are fitted, they shall be locked when the changing unit is in use; j) weight of the child for which the product is intended up to a maximum weight of 15 kg; k) means of identifying the product e.g. model number; l) the name, registered trade name or registered trademark of either the manufacturer of distributor or retailer; m) statement any additional or replacement parts shall only be obtained from the manufacturer or distributor; n) statement not to use the changing unit when any part is broken, torn or missing 	√

SS-EN 12221-1	Requirements	Req. fulfilled
8	Marking All changing units shall be permanently marked with the following information: a) the name, registered trade name or registered trademark of either the manufacturer of distributor or retailer together with means of identifying the product; b) warning: "WARNING. DO NOT LEAVE THE CHILD UNATTENDED"; c) the number and year of this European Standard.	√
9	Purchase information The following information shall be provided at the point of sale: a) weight of the child for which the product is intended up to a maximum weight of 15 kg; b) if a pad is not supplied with the unit, guidance on what changing pad, if any, is to be used and how to affix it in order to provide sufficient barriers; c) when applicable, information that the changing unit must be fixed to the wall for safe use of the product;	√

√ The test has been completed without any remarks

⊗ The requirement is not fulfilled

5 Conclusion

The tested item fulfils the requirements according to SS-EN 12221-1.

The test results apply solely to the tested object.

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