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TEST REPORT No. BBC 20-236

09 09 2020
Vilnius

Determination of dimensions and mechanical safety requirements for
Flexi divider panel 1200X1600H

Customer	DROMEAS SA
Address of customer	Industrial Area of Serres, 62121 Serres, Greece
Application for test	No. A 20-111-4, date 27 08 2020
Date of receive test object	27 08 2020
Manufacturer name	DROMEAS SA
Indication of normative document	EN 1023-1:1996, EN 1023-2:2000, EN 1023-3:2000
Date of test	01 09 2020 (beginning) 02 09 2020 (end)

Conclusion

Flexi divider panel 1200X1600H **complies** with the standard EN 1023-1:1996 Office storage – Screens – Part 1: Dimensions and EN 1023-2:2000 Office storage – Screens – Part 2: Mechanical safety requirements, requirements.

Test object

Flexi divider panel 1200X1600H frame is assembled using (30x30) mm metal tubes and M5 bolts. Inner part of frame is made of 8 mm thickness particle board, which is glued with foam and upholstered with tapestry. Supports are made of 5 mm thickness, 400 mm and 325 mm length sheet metal and are fixed with M6 bolts.

External dimensions of partition are: length 1200 mm, height 1600 mm, thickness 40 mm.





Figure 1. *Flexi divider panel 1200X1600H*

Test methods

EN 1023-1:1996 Office storage – Screens – Part 1: Dimensions;

EN 1023-2:2000 Office storage – Screens – Part 2: Mechanical safety requirements;

EN 1023-3:2000 Office storage – Screens – Part 3: Test methods.

Unless otherwise stated, the following tolerances are applicable:

- forces ± 5 % of the nominal force;
- masses ± 1 % of the nominal mass;
- dimensions ± 1 mm of the nominal dimension;

The accuracy for the positioning of loading pads ± 5 mm.

Test object was stored in the laboratory room before the tests were performing. The tests were carried out in normal indoor ambient conditions at the temperature of $(20 \pm 5)^\circ\text{C}$.

Test apparatuses

Apparatus 241 MP certificate No. 22.

Table 1. *Flexi divider panel 1200X1600H* test results

Standard	Test and method	Requirements	Test results	Pass/Fail or N/A*
EN 1023-1:1996, 2 Dimensions		EN 1023-1:1996		
2.1	Height, mm	1) eye contact in sitting position ≤ 1100 mm, 2) no eye contact in sitting position ≥ 1400 mm, 3) eye contact in standing position ≤ 1400 mm, 4) no Eye contact in standing position ≥ 1800 mm, 2.1	1600 mm, screen is of type 3)	pass
2.2	With, mm	no requirements	1200	pass
2.3	Thickness, mm	no requirements	40	pass



Table 1. (end)

Standard	Test and method	Requirements	Test results	Pass/Fail or N/A*
EN 1023-2:2000, 3 General safety requirements		EN 1023-2:2000		
3	All parts of the screens with which the user comes into contact, during intended use This requirement is met when:	shall be designed to ensure that physical injury and damage are avoided, 3		
	Accessible corners	shall be rounded with minimum 2 mm radius, 3	no remarks	pass
	Edges of the screens which the user may come into contact with during normal use	shall be rounded with minimum 2 mm radius, 3	no remarks	pass
	All other edges during intended use	shall be smooth and shall have no burrs, 3	no remarks	pass
	Ends of hollow components	shall be closed or capped, 3	no remarks	pass
	Movable and adjustable parts	shall be designed so that injuries and inadvertent operation are avoided, 3		N/A
EN 1023-3:2000, 6 Stability and dislodgement		EN 1023-2:2000		
6.1	Stability of the non-load bearing screens height from floor of 1300 mm horizontal force of max. 200 N or displacement of 200 mm	the screen shall not overturn, 4.2	no remarks, displacement of 200 mm was reached without overturning	pass
6.2	Stability of the load bearing screens	the screen shall not overturn, 4.2		N/A
6.3	Dislodgement test for panel mounted components	no dislodgement of components and shall occur or no structural failure shall occur		N/A
EN 1023-3:2000, 6 Strength of load bearing screens		EN 1023:2000		
6.4	Strength test for load bearing office screens	there are no fractures of any member, joint or component; there is no loosening of joints intended to be rigid; there no structural failure which can affect safety and functionality 4.2		N/A
Remarks, comments				

*N/A: not applicable

Head of furniture testing center



Tests were carried by the engineer

Manvydas Mickus

Laimonas Staškūnas

The test results is relate only to the tested items.

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