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Testing of screens for office use

(3 appendices)

| | |
|--------------------------|---|
| Customer: | Abstracta AB |
| Test object/ID: | Floor screen: dB Pillar |
| Test method: | Möbelfakta requirements specification 2019-05-01 for table-mounted screens EN 1023-2:2000 Office furniture - Screens - Mechanical safety requirements EN 1023-3:2000 Office furniture - Screens - Test methods EN 1023-1:1996; Office furniture - Screens – Dimensions EN 14073-2 Safety Requirements |
| Test environment: | 23 ± 2°C and 50 ± 5% relative humidity |
| Scope: | Complete test |
| Date of test: | 2020-09-21 |
| Test result: | The tested object passed the test |
| Reservation: | The test results in this report apply solely to the specimen tested |

RISE Research Institutes of Sweden AB Building Technology - Wood Technological Assessment

Performed by

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Appendices

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

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Appendix 1

Test result

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

Table 1

| | Requirements | Method | Cycles | Load | Results |
|-----|---|--|----------|----------------|-------------------|
| 1.1 | Horizontal static force on table mounted screen (100 mm from top edge of screen) EN 14073-2 Safety Requirements | Möbelfakta Requirements Specification 2019-05-01 | 10 | 80 N | N/A ¹ |
| 1.2 | Functional test Vertical static force on table mounted screen (100 mm from the edge) EN 14073-2 Safety Requirements | Möbelfakta Requirements Specification 2019-05-01 | 10 | 200 N | N/A ¹ |
| 1.3 | Safety test Vertical static force on table mounted screen (100 mm from the edge) EN 14073-2 Safety Requirements | Möbelfakta Requirements Specification 2019-05-01 | 10 | 300 N | N/A ¹ |
| 1.4 | Stability for non-load bearing screens Screen displacement 200 mm | EN 1023-3 6.1 | 1 | Max 200 N | Pass ² |
| 1.5 | Stability for load bearing screens Screen displacement 200 mm Loading on top during test: 5 kg | EN 1023-3 6.2 | 1 | Max 200 N | Pass ² |
| 1.6 | Dislodgement test for screen mounted components Work surface Other components 100 N | EN 1023-3 6.3 | 1 1 | 200 N 100 N | N/A |
| 1.7 | Loadbearing screens Load = 2 times the manufacturer's maximum recommended load | EN 1023-3 6.4 | 1 24h | | N/A |
| 1.8 | Edges and corners of the screen with which the user comes into contact are rounded and free from burrs. Ends of hollow components are closed or capped. Movable and adjustable parts are so designed that injuries and inadvertent operation are avoided. The manufacturer shall indicate in his instruction manual how to use the screen in combination with add-on elements, as well as the admissible load for each type of screen. | EN 1023-2 3. | | | Pass |

¹ General exception for lightweight screens where the potential energy $mgh \leq 65 \text{ Nm}$
 $m=\text{kg}$, $g=\text{m/s}^2$, $h=\text{height above floor to the screen's centre of gravity}$

² The requirement applies to floor-standing screens

Appendix 1

Table 2

| 2. | Dimension | EN 1023-1 | Classification |
|-----|---|-----------|----------------|
| 2. | Eye contact in the sitting position: Height \leq 1100 mm | 2.1 | N/A |
| 2.2 | No eye contact in the sitting position: Height \geq 1400 mm | 2.1 | N/A |
| 2.3 | Eye contact in the standing position: Height \leq 1400 mm | 2.1 | N/A |
| 2.4 | No eye contact in the standing position: Height \geq 1800 mm | 2.1 | N/A |

Appendix 2

Description of test object

Test object/ID: Floor screen: dB Pillar

Dimensions

Height: 1930 mm

Width: 470 mm

Mass: 39 kg

Components

Frame/core: Wooden frame, sound-absorbing material

Base: 27 mm plywood

Sampling: The test object was selected by the customer

Date of arrival at RISE test laboratory: 2020-09-11

Observed defects before testing: No defects

Appendix 3

Pictures

Figure 1



Figure 2

Appendix 3

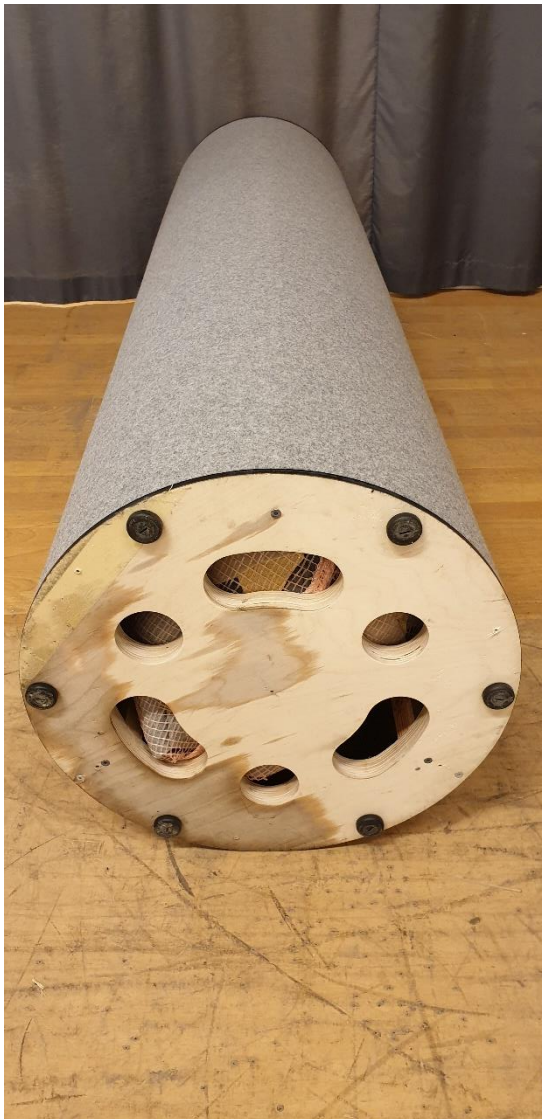


Figure 3



Figure 4