

Test report: Assessment Voortman sliding door cabinet Sound and Vision for the requirements

regarding safety and durability according to NEN-EN 14073-2:2004 and

NEN-EN 14074:2004

Report code: 20.0465-1 **Date:** February 5, 2021



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SHR

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If not stated other wise the tests have been

performed at this address.

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Appendices: 2

Project number: 20.0465

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Entries: Voortman, Sound and Vision, sliding door

cabinet, safety, durability,

NEN-EN 14073-2, NEN-EN 14073-3,

NEN-EN 14074

SHR operates according to NEN-EN-ISO/IEC 17025. The measurement uncertainty is available.



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1. Introduction

1.1 Assignment Examine for compatibility with relevant requirements on stability, strength and

durability according to the latest version of Dutch and European standards.

1.2 Date assignment 03-09-2020

2. Materials en methods

2.1 Tested product Description: Office sliding two door cabinet 1605 x 495 x 1244 (b x d x h)

(see photos Appendix 1).

Specifications: Layout: In the left part two shelves and a

bottom, in the right part one shelve, a

drawer and two suspension files

drawers.

Body colour: White

Doors: 2 metal sliding doors, with openings

filled with acoustic material.

Lock: Both doors a lock with key.

Colour interior White

Producer's

Sound and Vision

code:

SHR code: 200465-1

2.2 Producer Voortman

2.3 Tests performed Examination according to relevant requirements on mechanical safety of:

NEN-EN 14073-2:2004 strength, durability, stability

NEN-EN 14073-3:2004 strength, durability NEN-EN 14074:2004 strength, durability

2.4 Test period Laboratory tests performed at SHR from 18-01-2021 till 01-02-2021.

3. Results The examined sample COMPLIES with all requirements

(results of each individual test are shown in Appendix 2).



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Literature

Dutch and European standard NEN-EN 14073-2:2004 Office furniture - Storage furniture - Part 2: Safety requirements. NEN. Delft. 9 pp.

Dutch and European standard NEN-EN 14073-3:2004 Office furniture - Storage furniture - Part 3: Test methods for the determination of stability and strength of the structure. NEN. Delft. 13 pp.

Dutch and European standard NEN-EN 14074:2004 Office furniture - Tables and desks and storage furniture - Test methods for the determination of strength and durability of moving parts. NEN. Delft. 20 pp.



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Appendix 1 Photos of the tested product



Photo 1: Tested product 200465-1 front view closed



Photo 2: Tested product 200465-1 front view partially opened



Photo 3: Tested product 200465-1 front view partially opened



Photo 4: Tested product 200465-1 front view drawer opened



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Photo 5: Tested product 200465-1 front view suspension files drawer opened

Photo 6: Tested product 200465-1 side view



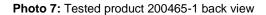




Photo 8: Tested product 200465-1 bottom view



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Photo 9: Tested product 200465-1 detail door hatch

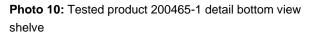




Photo 11: Tested product 200465-1 detail shelf support



Photo 12: Tested product 200465-1 detail of suspension file drawer runner



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Photo 13: Tested product 200465-1 detail bottom view side

Photo 14: Tested product 200465-1 detail bottom view middle



Photo 15: Tested product 200465-1 detail openings in door with acoustic filling



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Appendix 2 Results - Voortman Sound and Vision

Table 1: NEN-EN 14073-2:2004.

3.2	centre of gravity	640 mm	
3.3	total mass	461 kg	including content

Table 2: NEN-EN 14073-2:2004 (safety requirements), NEN-EN 14073-3:2004 (test methods).

Par/art	test		demand			N/a.	Rem.		
3.4	General safety requirements								
	- Accessible edges	free from burrs and rounded or chamfered		✓					
	- safety distances	≤ 8 mm or ≥ 25 mm		✓					
	- Adjustable parts	prevent inad	prevent inadvertent operation or release shall not close by themselves						
	- vertically sliding roll fronts	shall no				Х			
	- Extension elements stops	Effe	Effective at F = 200 N						
5.2	Strength EN 14073-3)		no fracture, other damage or change of function that affects the safety						
3.5	Floor standing units								
	1. Pull out of shelves			✓					
	2. Strength of shelf supports			✓					
	3. Strength of top surfaces					Х			
	Strength of extension elements			✓					
	Slam open of extension elements	no fracture, other		✓					
	6. Interlock test	damage or change of function		✓					
	7. Vertical load on pivoted door	that affects the				Х			
	Slam shut/open of sliding doors and horizontal roll fronts	safety		✓					
	9. Strength of flaps					Х			
	10. Floor standing units attached to the building					Х			
	11. Stability			✓					
3.6	screen and wall hanging units								
	Dislodgement of screen and wall mounted unit.	no fracture, other damage or change of function				Х			
	Pull out of shelves					Х			
	Strength of shelf supports					Х			
	Strength of top surfaces					Х			
	5. Strength of extension elements	that affects the safety.				Х			
	Slam open of extension elements					Х			
	7. Interlock test					X			



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8. Vertical load on pivoted door			X	
9. Slam shut/open of sliding doors and horizontal roll fronts			X	
10. Strength of flaps			X	
11. Strength of screen and wall attachment devices			X	

Table 3: NEN-EN 14074 (durability of moving parts).

Par/art	test	demand	Ok	Not Ok	N/a	Rem.
6.3.2	Horizontal static force on open door	no fracture, other damage or change of function that affects the safety			X	
6.2.2.	Durability test of extension elements		✓			
6.3.3	Durability test on hinged and pivoted doors				Х	
6.4.1	Durability test of sliding doors and horizontal roll fronts		✓			
6.5.1	Durability of vertical roll front				X	
6.6.2	Durability of flaps				X	
6.7	Rolling test for mobile filing pedestals				X	