

**Test report NS-EN 16139:2013
Furniture non-domestic seating**

Client Foraform AS Postboks 4 6150 ØRSTA Norge		Product Senso	
Client's reference Arnt Idar Dalen		Product specification - tested object This test covers the whole Senso series	
Date 10.02.2014		Date of receipt, tested object 17.01.2014	R-no. R15087
Test completed date 06.02.2014		Rev. no. / Rev. date 0/	



		Loading	To be tested	Result
Ref.	4. Safety requirements			
4.1	Accessible corners are rounded or chamfered. The edges of the seat, back rest and arm rest are rounded or chamfered . The edges of handles are rounded or chamfered. All other are free from burrs and rounded or chamfered. Ends of hollow components are closed or capped.		x	Passed
4.1	Movable and adjustable parts shall be designed so that injuries and inadvertent operation are avoided.			
4.1	Lubricated parts shall be designed to protect users from lubricant stains.			
4.2	Shear and squeeze points		x	Passed
	4.3 Stability			
a	Pressing down front edge		x	Passed
b	Front corner		x	Passed
c	Sideways without or with arm rests		x	Passed
d	Backwards		x	Passed
e	Sitting on front edge		x	Passed
f	Loading foot rail/foot rest			

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	4.3.2 Swivelling chairs			
	4.3.3 Non swivelling chairs			
	4.4 Rolling resistance of the unloaded chair NS-EN 1335-3:2009			
	Rolling resistance is $\geq 12\text{N}$			
	All castors are of the same type			

	5. Strength and durability NS-EN 1728:2012			
6.4	1. Static load seat	1600N, 10 times	x	Passed
6.4	1. Static load back	560N, 10 times	x	Passed
6.5	2. Seat front edge static load	1300N, 10 times	x	Passed
6.6	3. Vertical static load on back	600N with 1300N in seat, 10 times	x	Passed
6.8, 6.9	4. Foot rest and leg rest static load	1300N, 10 times		
6.10	5. Arm sideways static load	400N, 10 times	x	Passed
6.11	6. Arm downwards static load	750N, 10 times	x	Passed
6.13.1, 2	7. Vertical upwards static load on arm rests	Seat 250N, 10 times	x	Passed
6.17	8. Seat and back durability test	Seat: 1000N, Back: 300N, 100 000 cycles	x	Passed
6.18	9. Seat front edge durability test	800N, 50 000 cycles	x	Passed
6.20	10. Arm durability test	400N, 30 000 cycles	x	Passed
6.21	11. Foot rest durability test	1000N, 50 000 cycles		
6.15	12. Leg forward static load	500N with seat load 1000N, 10 times		
6.16	13. Leg sideways static load	400N with seat load 1000N, 10 times		
6.24	14. Seat impact test	Drop height 240 mm, 10 times	x	Passed
6.25	15. Back impact test	Height of fall 210 mm, 38°, 10 times	x	Passed
6.26	16. Arm impact test	Height of fall 210 mm, 38°, 10 times	x	Passed
6.14	18. Auxilliary writing surface static load	300N, 10 times		
6.22	19. Auxilliary writing surface durability test	150N, 10 000 cycles		

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Deviation from the test standards:

Comments:

Summary

The product is not approved according to the existing standards and requirements.

The product is approved according to the requirements for non domestic furniture, level 1 in NS-EN 16139:2013.

X

Bård Vestre
Manager