

Test Report

Report No.: 892567-3



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Jjoh/jju/hbs
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Subject: Model: Gate Reflect 5-Star, Castors

Type:	Chair				
Length:	640 mm	Width:	700 mm	Height:	900 mm
Weight:	7.8 kg				
Materials:	Seat/back: Plastic Base: Five star foot with castors				

Sampling: The test material was sampled by the client and received at the Danish Technological Institute 03-10-2019.

Method: **EN 1729-2:2012+A1:2015** Furniture – Chairs and tables for educational institutions - Part 2: Safety requirements and test methods. Loading according to EN 1729-2:2012+A1:2015 highest level.

Period: The testing was carried out from 03-10-2019 to 19-11-2019.

Result: Model Gate Reflect 5-Star, Castors fulfils the requirements in EN 1729-2:2012+A1:2015.
Individual results appear from Appendix 1.

Storage: The test material will be destroyed after 1 month, unless otherwise agreed.

Terms: Accredited testing was carried out in compliance with international requirements (EN/ISO/IEC 17025:2005) and in compliance with Danish Technological Institute's General Terms and Conditions regarding Commissioned Work accepted by Danish Technological Institute. The test results apply to the tested products only. This report may be quoted in extract only if the laboratory has granted its written consent.

Date/place: 19-11-2019, Danish Technological Institute, Wood and Biomaterials, Taastrup

Signature: Test responsible

Co-signatory



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Testing of Model: Gate Reflect 5-Star, Castors

Loading according to EN 1729-2:2012+A1:2015

Testing	Test Method	Cycles	Loading	Result
5 Testing of chairs				
5.2.2 Forward stability	EN 1022:2005 6.2 or 8.2		Seat: 600 N Horizontal: 20 N	Passed
5.2.3.1 Sideways stability for chairs without armrests	EN 1022:2005 6.4 or 8.2		Seat: 600 N Horizontal: 20 N	Passed
5.2.3.2 Sideways stability for chairs with armrests	EN 1022:2005 6.4, 8.2		Seat: 600 N Horizontal: 20 N	N/A
5.2.4 Rearwards stability	EN 1022:2005 6.6 or 8.5		Seat: 600 N Back: 180 N	Passed
5.2.5 Chairs with backrest inclination	EN 1335-3:2009, 7.17			N/A
5.3.2 Seat and back static load	EN 1728:2012, 6.4	10	Seat: 2000 N Back: Max 700 N	Passed
5.3.3 Seat and back durability	EN 1728:2012 6.17	100.000	Seat: 1250 N Back: 300 N	Passed
5.3.4 Seat front edge durability	EN 1728:2012 6.18	50.000	Vertical: 800 N	Passed
5.3.5 Sideways static load	EN 1728:2012 6.16	10	Vertical: Max. 1600 N Horizontal: Max 600 N	Passed
5.3.6 Forward static load	EN 1728:2012 6.15	10	Vertical: Max. 1600 N Horizontal: Max 600 N	Passed
5.3.7 Seat impact	EN 1728:2012 6.24	10	Drop height: Max. 300 mm	Passed
5.3.8 Back impact	EN 1728:2012 6.25	10	Drop height: Max. 620 mm	Passed
5.3.9 Static load of foot rail	EN 1728:2012 6.8	10	Vertical: max. 1300 N	N/A
5.3.10 Drop test	EN 1728-2:2012 6.27.3	5	Drop height: 600 mm	Passed
5.3.11 Foot rest durability	EN 1728-2:2012, 6.21	50.000	Max. 1000 N	N/A
5.3.12 Armrest, vertical static load	EN 1728-2:2012, 6.11 or EN 1335-3:2009, 7.2.3 or EN 1728:2012, 6.11	50.000	Max. 1000 N	N/A
5. Marking	EN 1729-1:2015			N/A
6. Instructions	EN 1729-1:2015			N/A

N/A – Not applicable

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Photo

