SATRA Technology Centre Ltd
Wyndham Way, Telford Way, Kettering,
Northamptonshire, NN16 8SD United Kingdom
Tel: +44 (0) 1536 410000
email: info@satra.com
www.satra.com

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TECHNICAL REPORT

Pineapple Contracts Westmead Aylesford Maidstone Kent ME20 6XJ United Kingdom	SATRA reference:	FUR2015926	
		2446	1
	Report ID/Issue number:	46689/1	
	Your reference:	LLNPD011124	
	Date samples received:	14/11/2024	
	Date(s) work carried out:	14/11/2024 to 30/01/2025	
	Date of report:	30/01/2025	

Testing Requirements

Testing of a chair, described by the customer as the 'Rock'
to EN 16139:2013 Test Level 2

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For SATRA's statements regarding the confidentiality, publication and dissemination of this report, decision rules and UKAS accreditation please see the final page of this technical report.

Report Signed by:

Peter Westley

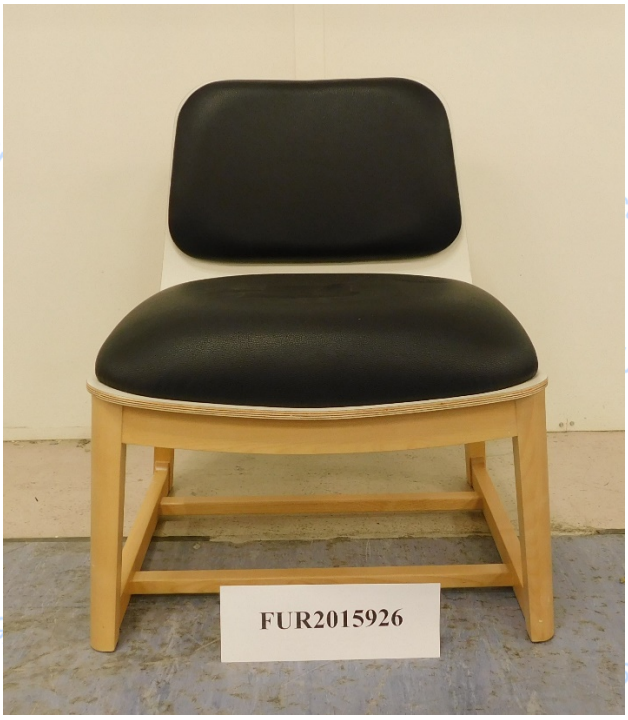
Report Signatory

ASSESSMENT OF THE ROCK

As requested by Pineapple Contracts, SATRA have assessed the seating submitted, as detailed below.

SAMPLE SUBMITTED

Sample reference: Rock
Testing conducted by: P. Westley



TESTS CARRIED OUT

EN 16139:2013 – Test Level 2 – Furniture – Strength, durability and safety - Requirements for non-domestic seating *(for adults weighing up to 110kg).*

CONCLUSION

The 'Rock', supplied for testing by Pineapple Contracts, has satisfied the relevant requirements of EN 16139:2013 – Test Level 2 – "Furniture – Strength, durability and safety - Requirements for non-domestic seating" except for Clause 7 (Information for use).

RESULTS

ROCK

EN 16139:2013 (Test Level 2)

Clause	Test Description	Result
4	**Safety**	
4.1	**General**	
a)	Accessible corners rounded or chamfered	Pass
b)	Edges of seat, back and arm rests rounded	Pass
c)	Edges of handles rounded or chamfered	N/A
d)	All other edges free of burrs and/or sharp edges	Pass
e)	Ends of hollow components closed or capped	N/A
-	Movable / adjustable parts have a safe design	N/A
-	Unintentional loosening of load bearing parts	Pass
-	Lubricated parts protected against user soiling	N/A
4.2	**Shear and Squeeze Points**	
4.2.1	Shear and squeeze points when setting up and folding	N/A
4.2.2	Shear and squeeze points under influence of powered mechanisms	N/A
4.2.3	Shear and squeeze points during use	Pass
4.3	**Stability *(see Table 2)***	
4.3.1	General	Pass
4.3.2	Swivelling chairs	N/A
4.3.3	Non swivelling chairs	Pass
4.4	**Rolling Resistance of the Unloaded Chair**	N/A
4.5	**Safety of Construction *(see Table 1)***	Pass
5	**Safety, Strength and Durability *(see Table 1)***	Pass
6	**Test Methods *(see Table 1)***	
7	**Information for Use**	N/T (see Note 1)

EN 16139:2013 (Test Level 2) – *Table 1*

Test	Clause 6 (Test Method)	Strength & Durability Tests	Result
1	EN 1728:2012, 6.4	Seat and back static load	Pass
2	EN 1728:2012, 6.5	Seat front edge static load	Pass
3	EN 1728:2012, 6.6	Vertical static load on back	Pass
4	EN 1728:2012, 6.8, 6.9	Foot rail/rest and leg rest static load	N/A
5	EN 1728:2012, 6.10	Arm sideways static load	N/A
6	EN 1728:2012, 6.11	Arm downwards static load	N/A
7	EN 1728:2012, 6.13.1, 6.13.2	Vertical upwards static load on arm rests	N/A
8	EN 1728:2012, 6.17	Seat and back durability	Pass
9	EN 1728:2012, 6.18	Seat front edge durability	Pass
10	EN 1728:2012, 6.20	Arm durability	N/A
11	EN 1728:2012, 6.21	Foot rest durability	N/A
12	EN 1728:2012, 6.15	Leg forward static load	Pass
13	EN 1728:2012, 6.16	Leg sideways static load	Pass
14	EN 1728:2012, 6.24	Seat impact	Pass
15	EN 1728:2012, 6.25	Back impact	Pass
16	EN 1728:2012, 6.26	Arm impact	N/A
17	EN 1728:2012, 6.27.1	Drop test (multiple seating) – *TL 2 only*	N/A
18	EN 1728:2012, 6.14	Auxiliary writing surface static load	N/A
19	EN 1728:2012, 6.22	Auxiliary writing surface durability	N/A

EN 16139:2012 – *Table 2*

Non-swivelling chairs (EN 1022:2005)

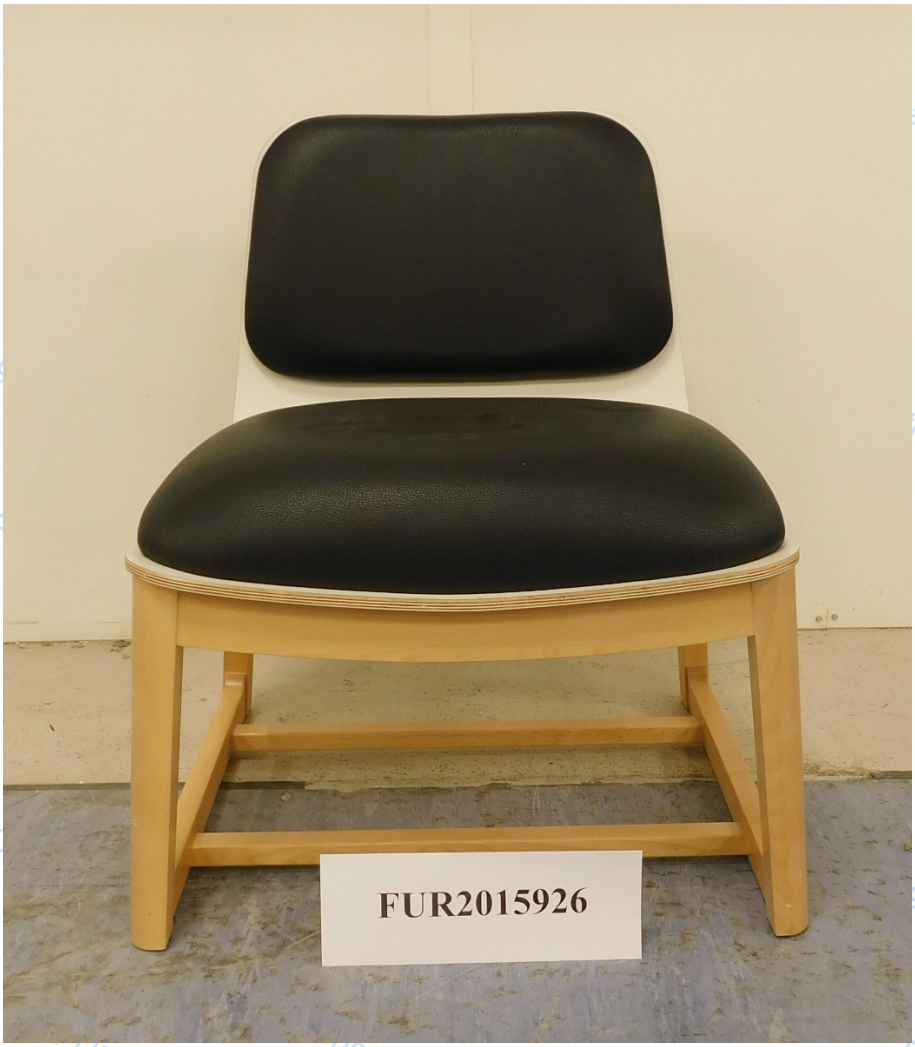
Clause	Test Description	Result	
		Before*	After*
6	**All Seating**		
6.2	Forwards overbalancing, all seating	Pass	Pass
6.3	Forwards overbalancing for seating with footrest	N/A	N/A
6.4	Sideways overbalancing, all seating without arms	Pass	Pass
6.5	Sideways overbalancing, all seating with arms	N/A	N/A
6.6	Rearwards overbalancing, all seating with backs	Pass	Pass
7	**Seating with Variable Geometry**		
7.3	Tilting chairs	N/A	
7.4	Rocking chairs		
7.5	Reclining chairs with footrest		
7.6	Footrest test		
7.7	Reclining chairs without footrest		

** The acceptance criteria of EN 16139:2013 requires that the applicable stability test(s) shall be carried out after the applicable strength and durability tests (see Table 1) but, following the order of the standard, they can also be carried out prior to the Table 1 tests.*

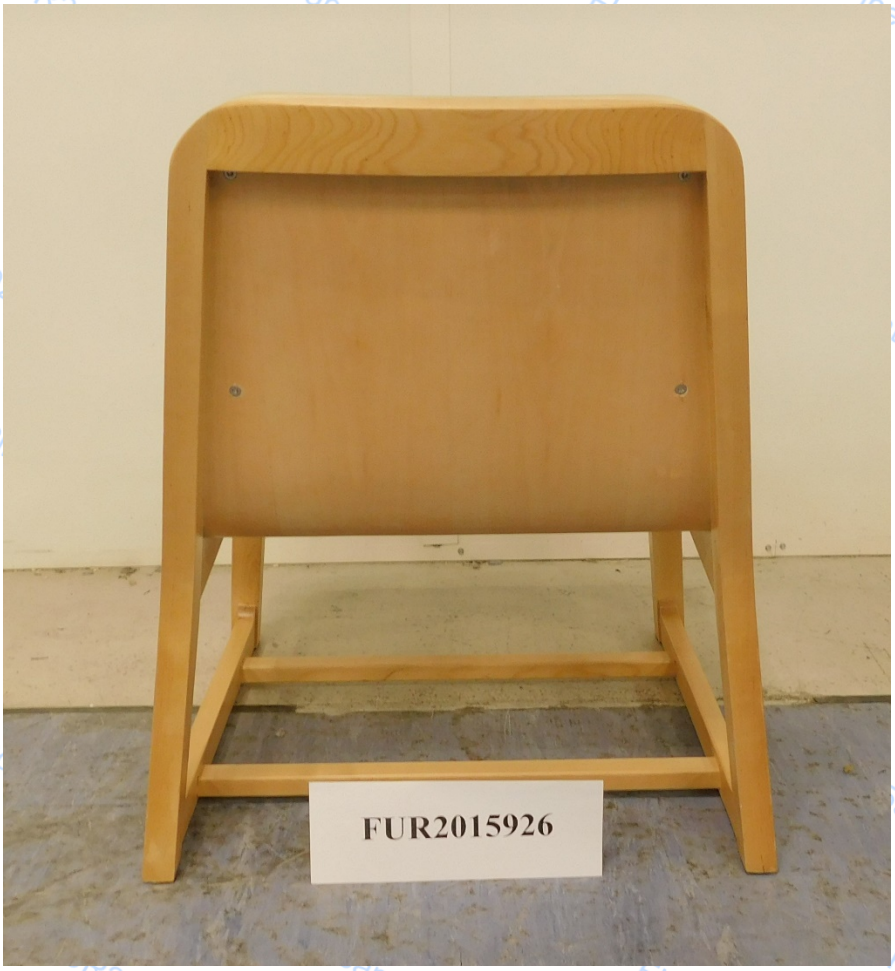
N/A denotes clause 'Not Applicable'
N/T denotes clause 'Not Tested'.

COMMENTS

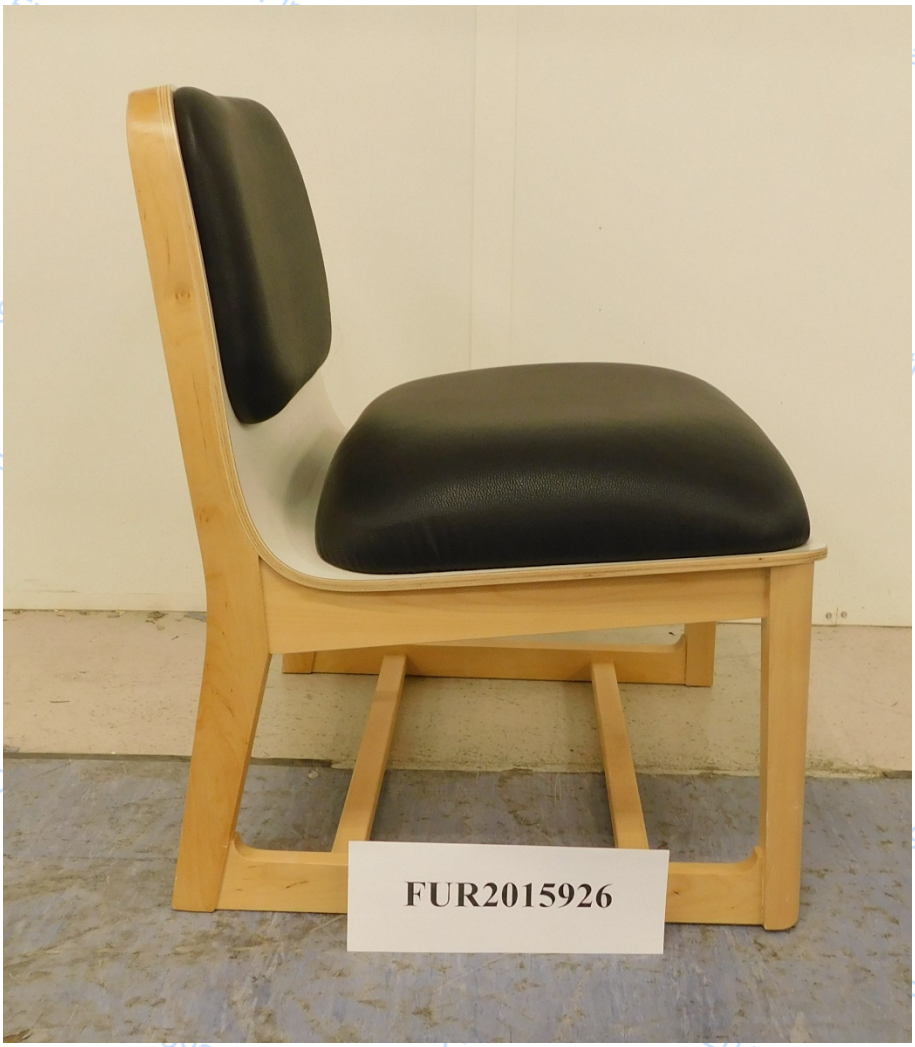
Note x: As no "Information for use" was supplied, the sample was not assessed against the requirements of this clause.



Picture 1: Front view of the 'Rock'



Picture 2: Rear view of the 'Rock'



Picture 3: Side view of the 'Rock'

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Where the result corrected for uncertainty falls within the tolerance of the conformance statement then the risk of the conformance statement being a false accept or false reject is up to 2.5% and SATRA will in this instance quote a Pass/Fail, class, or level.

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