

Customer details: Pineapple Contracts  
Murray Road  
ORPINGTON  
Kent  
BR5 3QY

SATRA reference: FUR0238287 /1537

Your reference: NS0809

Date of report: 2 October 2015

Samples received: 10 September 2015

For the attention of: Neill Smith

Date(s) work carried out: 10 September 2015 –  
30 September 2015

## TECHNICAL REPORT

Subject: Testing of a chair, described as the 'Touch Chair', to BS EN 16139:2013 Test Level 1 but with the seat edge load of the 'Legs sideways static load test' reduced to 200N.

### Conditions of Issue:

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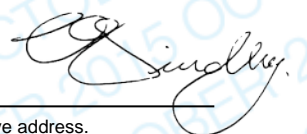
Results given in this report refer only to the samples submitted for analysis and tested by SATRA. Comments are for guidance only.

Tests marked  $\neq$  fall outside the UKAS Accreditation Schedule for SATRA. All interpretations of results of such tests and the comments based upon them are outside the scope of UKAS accreditation and are based on current SATRA knowledge.

**A satisfactory test report in no way implies that the product tested is approved by SATRA and no warranty is given as to the performance of the product tested. SATRA shall not be liable for any subsequent loss or damage incurred by the client as a result of information supplied in the report.**

Please note uncertainty of measurement has not been applied to the results in this report. SATRA uncertainty of measurement values are available on request.

Report signed by: Geoff Bindley  
Position: Department Manager  
Department: Furniture and Floor Coverings



## ASSESSMENT OF THE TOUCH CHAIR

As requested by Pineapple Contracts, SATRA have assessed the 'Touch Chair', submitted as detailed below.

### SAMPLE SUBMITTED

Sample reference: Touch Chair  
 Date received: 10 September 2015  
 Testing completed: 30 September 2015  
 Testing conducted by: P.Westley  
 Reported by: G.Bindley

### TESTS CARRIED OUT

BS EN 16139:2013 – Test Level 1 – Strength durability and Safety – Requirements for non-domestic seating, with the seat edge load of the 'Legs sideways static load test' reduced to 200N.

## RESULTS

### TOUCH CHAIR

#### BS EN 16139:2013 (Test Level 1)

Clause	Test Description	Result
<b>4</b>	<b>Safety</b>	
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
<b>4.2</b>	<b>Shear and Squeeze Points</b>	
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

Clause	Test Description	Result
<b>4.3</b>	<b>Stability (see Table 2)</b>	
4.3.1	General	Pass
4.3.2	Swivelling chairs (BS EN 1335-2:2009 & BS EN 1022:2005)	N/A
4.3.3	Non swivelling chairs (BS EN 1022:2005 only)	Pass
<b>4.4</b>	<b>Rolling Resistance of the Unloaded Chair</b>	N/A
<b>4.5</b>	<b>Safety of Construction (see Table 1)</b>	Pass
<b>5</b>	<b>Safety, Strength and Durability (see Table 1)</b>	Pass
<b>6</b>	<b>Test Methods (see Table 1)</b>	
<b>7</b>	<b>Information for Use</b>	N/T (see Note 1)

## BS EN 16139:2013 (Test Level 1) – Table 1

Clause 6	Strength & Durability Tests	Result
BS EN 1728:2012, 6.4	Seat and back static load	Pass
BS EN 1728:2012, 6.5	Seat front edge static load	Pass
BS EN 1728:2012, 6.6	Vertical static load on back	Pass
BS EN 1728:2012, 6.8, 6.9	Foot rail/rest and leg rest static load	N/A
BS EN 1728:2012, 6.10	Arm sideways static load	N/A
BS EN 1728:2012, 6.11	Arm downwards static load	N/A
BS EN 1728:2012, 6.13.1, 6.13.2	Vertical upwards static load on arm rests	N/A
BS EN 1728:2012, 6.17	Seat and back durability	Pass
BS EN 1728:2012, 6.18	Seat front edge durability	Pass
BS EN 1728:2012, 6.20	Arm durability	N/A
BS EN 1728:2012, 6.21	Foot rest durability	N/A
BS EN 1728:2012, 6.15	Leg forward static load	Pass
BS EN 1728:2012, 6.16	Leg sideways static load	Pass (see Note 2)
BS EN 1728:2012, 6.24	Seat impact	Pass
BS EN 1728:2012, 6.25	Back impact	Pass
BS EN 1728:2012, 6.26	Arm impact	N/A
BS EN 1728:2012, 6.27.1	Drop test (multiple seating) – TL 2 only	N/A
BS EN 1728:2012, 6.14	Auxiliary writing surface static load	N/A
BS EN 1728:2012, 6.22	Auxiliary writing surface durability	N/A



**BS EN 16139:2013 – Table 2**  
**(BS EN 1022:2005 Non-Swivelling Chair Stability Requirements)**

Clause	Test Description	Result	
		Before*	After*
<b>6</b>	<b>All Seating</b>		
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
<b>7</b>	<b>Seating with Variable Geometry</b>		
7.3	Tilting Chairs	N/A	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 BS 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 1: As no "Information for use" was supplied, the chair was not assessed against the requirements of this Clause.

Note 2: The sideways force for the 'Leg Sideways Static Load' test was reduced from 400N to 200N, at the customer's request.

## CONCLUSION

The 'Touch Chair', supplied for testing by Pineapple Contracts, has satisfied the relevant requirements of BS EN 16139:2013 – Test Level 1 – "Strength durability and Safety – Requirements for non-domestic seating", except for Clause 7 (Information for use).



Front view of the 'Touch Chair'





Rear view of the 'Touch Chair'



Side view of the 'Touch Chair'



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Issue Date: 1st October 2009