

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

SATRA reference: FUR0236957 / 1530

Your reference: NS2107

Date of report: 17 September 2015

Sample received: 24 July 2015

For the attention of: Neill Smith

Date(s) work carried out: 24 July 2015 –  
17 September 2015

## TECHNICAL REPORT

Subject: Testing of a sofa, described as the 'Rubus 3 Seater Sofa', to BS EN 16139:2013 Test Level 2.

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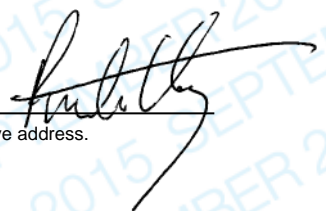
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Please note uncertainty of measurement has not been applied to the results in this report. SATRA uncertainty of measurement values are available on request.

Report signed by: Peter Westley  
Position: Furniture Technologist  
Department: Furniture and Floor Coverings



## ASSESSMENT OF THE RUBUS 3 SEATER SOFA

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

### SAMPLE SUBMITTED

Sample reference: Rubus 3 Seater Sofa  
 Date received: 24 July 2015  
 Testing completed: 17 September 2015  
 Testing conducted by: Peter Westley and Paul Burrows  
 Reported by: Peter Westley

### TESTS CARRIED OUT

BS EN 16139:2013 – Test Level 2 – Strength durability and Safety – Requirements for non-domestic seating

### RESULTS

#### RUBUS 3 SEATER SOFA

#### BS EN 16139:2013 (Test Level 2)

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 2) – 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	Pass
BS EN 1728:2012, 6.11	Arm downwards static load	Pass
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	Pass
BS EN 1728:2012, 6.21	Foot rest durability	N/A
BS EN 1728:2012, 6.15	Leg forward static load	N/A
BS EN 1728:2012, 6.16	Leg sideways static load	N/A
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	Pass
BS EN 1728:2012, 6.27.1	Drop test (multiple seating) – TL 2 only	Pass
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 1022:2005 Non-Swivelling Chair Stability Requirements for BS EN 16139:2013**  
**– Table 2**

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	N/A	N/A
6.5	Sideways Overbalancing, all seating with arms	Pass	Pass
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.

## CONCLUSION

The 'Rubus 3 Seater Sofa', supplied for testing by Pineapple Contracts, has satisfied the relevant requirements of BS EN 16139:2013 – Test Level 2 – "Strength durability and Safety – Requirements for non-domestic seating", except for Clause 7 (Information for use).



**Picture 1: Front view of the 'Rubus 3 Seater Sofa'**



**Picture 2: Side view of the 'Rubus 3 Seater Sofa'**



**Picture 3: Rear view of the 'Rubus 3 Seater Sofa'**

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Issue Date: 1st October 2009