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TECHNICAL REPORT

Pineapple Contracts Westmead Aylesford Maidstone Kent ME20 6XJ United Kingdom	SATRA reference:	FUR9066W2P1	
		2351	1
	Report ID/Issue number:	36485/1	
	Your reference:		
	Date samples received:	19/12/2023	
	Date(s) work carried out:	19/12/2023 to 04/03/2024	
	Date of report:	07/03/2024	

Testing Requirements

Testing of a chair, described by the customer as 'Shore Lounge BH 3 Seater',
to EN 16139:2013 Test Level 2, followed by a static load test
to the centre of the seat only to 500kg.

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Report Signed by:

Peter Westley

Report Signatory

ASSESSMENT OF THE SHORE LOUNGE BH 3 SEATER

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

SAMPLE SUBMITTED

Sample reference: Shore Lounge BH 3 Seater
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)*.

Static Load test to the centre of the seat only as per EN 1728:2012, Clause 6.4 at 500kg (4905N) for 10 cycles. See Note 1.

CONCLUSION

The 'Shore Lounge BH 3 Seater', 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).

The 'Shore Lounge BH 3 Seater', supplied for testing by Pineapple Contracts, has satisfactorily completed a Static Load test to the seat only as per EN 1728:2012, Clause 6.4 at 500kg (4905N) for 10 cycles.

RESULTS

SHORE LOUNGE BH 3 SEATER

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	Pass
-	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 2)

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

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

Static Load Test

Test Method	Test Description	Cycles	Hold Time	Result
EN 1728:2012, 6.4	Static Load – Centre of the Seat only (500kg / 4905N)	10	10 Seconds	No Damage (see Note 3)

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

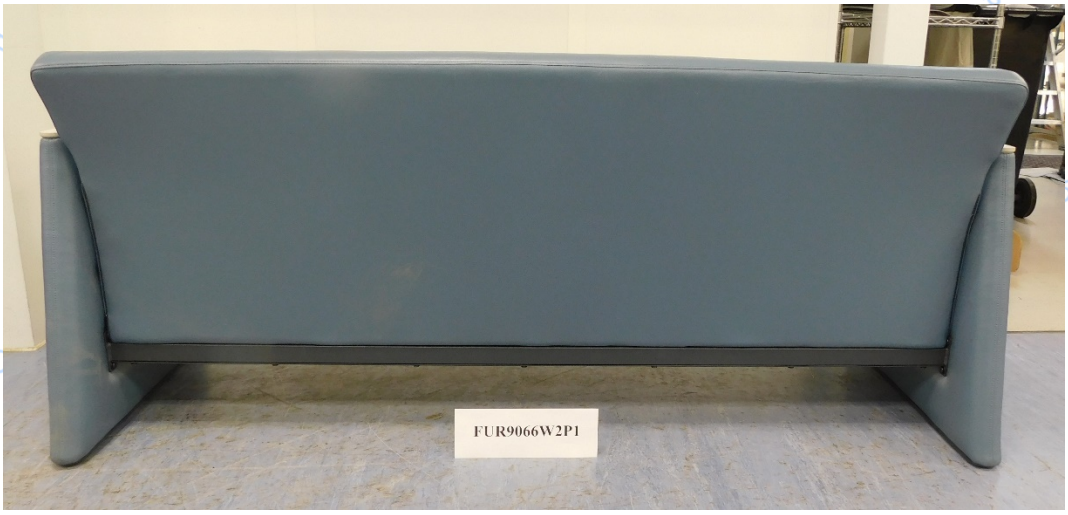
COMMENTS

Note 1: Tested to EN 16139:2013 at Test Level 2 immediately before this testing.

Note 2: As no “Information for use” was supplied, the sample was not assessed against the requirements of this clause.

Note 3: As agreed with the customer, load applied to the seat only and the middle seat position only.

Picture 1: Front view of the 'Shore Lounge BH 3 Seater'



Picture 2: Rear view of the 'Shore Lounge BH 3 Seater'

Picture 3: Side view of the 'Shore Lounge BH 3 Seater'

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Where a report contains SATRA guidelines values then uncertainty of measurement values have been taken into account when determining the guideline values and as such are not considered when determining pass/ fail criteria.