

TECHNICAL REPORT



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THE TRENT POTTERY COMPANY (LEICESTER) LIMITED

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Our Ref: **TSSEF11655**

Date: 12 June 2006
Delivery Date: 17 May 2006
Test Dates: 30 May – 06 June 2006
Customer Ref.:

For the attention of Rob Price

SAMPLE(S) FOR TEST :

One, Zeta Stool

TEST REQUIREMENTS :

BS 4875-1:2001 Test Level 4

BS 7945:1999

RESULT :

PASS

PASS

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FIRA International Limited

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DESCRIPTION

Item: Zeta Stool

Supplied by: The Trent Pottery Company (Leicester) Limited

See Plates: One – Four

Overall dimensions : 440 mm high x 320 mm wide x 320 mm deep

The Zeta Stool with leather upholstery consists of:

2 S-shaped supports 330 mm x 310 mm x 25 mm diameter.
2 circular hooded members 25 mm diameter x 320 mm, both metal
One seat 70 mm x 320 mm diameter made of foam and MDF
Upholstered in leather.

All dimensions are approximate.



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BS 4875 (2001) - STRENGTH AND STABILITY OF FURNITURE PART 1 - Strength tests for chairs and Zeta Stools

The strength tests required were carried out in accordance with the standard. Details of the loads applied and their positions of application are retained at FIRA and are available on request.

Item: Zeta Stool

Test Level: 4

Initial Inspection: No Apparent Faults

Conditioning: N/R

	TEST	RESULT		TEST	RESULT
6.2	Seat Static Load	PASS	6.9	Recliner Seat and	
6.2	Back Static Load	PASS		Back Fatigue	N/A
6.3	Recliner Static Load	N/A	6.11	Leg Rest Fatigue	N/A
6.4	Foot Rail Static Load	N/A	6.12	Leg Forward Static	
6.5	Arm/Wing Sideways			Load	N/A
	Static Load	N/A	6.13	Leg Sideways Static	
6.6	Arm Downwards Static			Load	N/A
	Load	N/A	6.14	Diagonal Base Load	N/A
6.7	Seat Fatigue Load	PASS	6.15	Seat Impact	PASS
6.8	Seat Front Edge Fatigue	N/A	6.16	Back Impact	PASS
			6.17	Arm Impact	N/A
			6.18	Drop Test	PASS

In extreme weather conditions the ambient test temperature and/or humidity may fall outside the requirements of the standard. Such changes have not been shown to affect the validity of the results. Details of the ambient conditions at time of test are available on request.



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BS 7945: (1999) - NON DOMESTIC FURNITURE

Determination of seating stability

The stability tests required were carried out in accordance with the Standard. Details of the loads applied and their positions are retained at FIRA and are available on request.

Item: Zeta Stool

Initial Inspection: No Apparent Faults

Conditioning: N/R

	TEST	RESULT
7.1	Forwards overturning	PASS
7.2	Sideways overturning (without arms)	N/A
7.3	Sideways overturning (with arms)	N/A
7.4	Rearwards overturning (all seating with backs)	N/A
7.5	Accidental Overturning	N/A
8.2	Tilting	N/A
8.3	Rocking Chairs	N/A
8.4	Reclining chairs (with footrests)	N/A
8.5	Footrest test	N/A
8.6	Reclining chairs (without footrests)	N/A
9.2	Forwards and sideways overturning - calculative (without arms)	N/A
9.3	Sideways overturning - calculative (with arms)	N/A
9.4	Zeta Stools, all directions - calculative	N/A
9.5	Rearwards overturning - calculative	N/A



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CONCLUSION

The Zeta Stool, as previously described, successfully satisfied the applicable strength and durability test requirements from BS 4875-1:2001 Test Level 4

The Zeta Stool, as previously described, successfully satisfied the applicable stability test requirements from BS 7945:1999

Tested by: A Rawlings & T R Slater

Reported by: C L Rance

Approved by: P J Reynolds
Testing Manager



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Plate 1: Front of Zeta Stool



Plate 2: Side of Zeta Stool



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Plate 3: Rear of Zeta Stool



Plate 4: Underside of Zeta Stool