

# TECHNICAL REPORT



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## THE TRENT POTTERY COMPANY (LEICESTER) LIMITED

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Our Ref: **TSSEF21203**

Date: 10 March 2008

Delivery Date: 22 February 2008

Test Dates: 28 February – 04 March 2008

Customer Ref.:

For the attention of Rob Price

### SAMPLE(S) FOR TEST :

One, Colonial Stool

### TEST REQUIREMENTS:

BS EN 15373:2007 Test Level 2

BS EN 1022:2005

### RESULT :

PASS

PASS

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# TECHNICAL REPORT

## DESCRIPTION

Item: Colonial Stool

Supplied by: The Trent Pottery Company (Leicester) Limited

See Plates: One – Four

A four legged wooden stool. All legs are 735mm long with a diameter of 45mm at the thickest part. The legs are connected via 4 footrests measuring 240mm x 54mm x 20mm and 4 seat rails measuring 145mm x 58mm x 20mm. The seat is 350mm in diameter and 23mm in depth.

All dimensions are approximate.



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## BS EN 1022:2005 - STRENGTH AND STABILITY OF FURNITURE

### Stability tests for chairs and stools

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: Colonial Stool

Initial Inspection: No Apparent Faults

Conditioning: N/R

	TEST	RESULT
6.2	Forwards overturning	PASS
6.3	Forwards overturning (with footrest)	N/A
6.4	Sideways overturning (without arms)	PASS
6.5	Sideways overturning (with arms)	N/A
6.6	Rearwards overturning	PASS
7.3	Tilting	N/A
7.4	Rocking chairs	N/A
7.5	Reclining chairs (with footrests)	N/A
7.6	Footrest test	N/A
7.7	Reclining chairs (without footrests)	N/A
8.2	Forwards and sideways overturning - calculative (without arms)	N/A
8.3	Sideways overturning - calculative (with arms)	N/A
8.4	Stools, all directions - calculative	N/A
8.5	Accidental overturning - calculative	N/A



# TECHNICAL REPORT

## BS EN 15373: 2007 – FURNITURE – STRENGTH, DURABILITY AND SAFETY REQUIREMENTS FOR NON-DOMESTIC SEATING

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: Colonial Stool

Test Level: 2

Initial Inspection: No Apparent Faults

Conditioning: N/R

	TEST	RESULT		TEST	RESULT
5.1	General Safety Requirements	PASS*	6.1.10	Seat and Back Fatigue Load	PASS
5.2	Shear and Squeeze Points	PASS	6.1.11	Recliner Seat and Back Fatigue Seat Front Edge	N/A
5.3	Stability	PASS	6.1.12	Fatigue	N/A
5.4	Rolling Resistance	N/A	6.1.13	Arm Fatigue Test	N/A
6.1.1	Seat Static Load	PASS	6.1.14	Leg Rest Fatigue Test	N/A
6.1.1	Back Static Load	PASS	6.1.15	Foot Rail Fatigue Test	PASS
6.1.2	Seat Front Edge Static Load	N/A	6.1.16	Leg Rest Fatigue	N/A
6.1.3	Recliner Static Load	N/A	6.1.17	Leg Forward Static Load	PASS#
6.1.4	Vertical Static Load on Back	N/A		Leg Sideways Static Load	PASS #
6.1.5	Foot Rail Static Load	PASS	6.1.18	Diagonal Base Load	N/A
6.1.6	Arm Sideways Static Load	N/A	6.1.19	Seat Impact	PASS
6.1.7	Wing Sideways Static Load	N/A	6.1.20	Back Impact	N/A
6.1.8	Arm Downwards Static Load	N/A	6.1.21	Arm Impact	N/A
6.1.9	Vertical Upwards Static Load on Arms	N/A	6.1.22	Drop Test	N/A
			6.1.23	Auxiliary Writing Surface Static Load	N/A
			6.1.24	Auxiliary Writing Surface Fatigue Test	N/A

### COMMENTS

\* There are some rough edges on the stool frame which would benefit from better finishing.

# Load reduced to 320N to prevent chair from tipping.

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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## CONCLUSION

The Colonial Stool, as previously described, successfully satisfied the applicable stability test requirements from BS EN 1022:2005.

The Colonial Stool, as previously described, successfully satisfied the applicable strength and durability test requirements from BS EN 15373:2007 to Test Level 2.

Tested by: L Haines & S Hackett  
Reported by: C L Rance  
Approved by: A P Cayless  
Section Leader - Seating



# TECHNICAL REPORT



Plate 1: Front of Colonial Stool



Plate 2: Underside of Colonial Stool