

TEST REPORT

NUMBER: LTR18080027A
APPLICANT: Badger Design Limited
Exeter Airport Business Park
Exeter
EX5 2UL
GBR

DATE: 24th October 2018

For the attention of Corinna Jones

SAMPLE DESCRIPTION: Gary Coaster

REFERENCE/STYLE NO.: Not Specified

SAMPLE RECEIVED: 2nd August 2018

RETAILER: Not Specified


PURCHASE ORDER: Not Specified

REQUEST: *Heat Resistance of Placemats and Coasters

CONCLUSION: The visual examination was considered satisfactory. The highest temperature on the underside of the coaster with the test block at 100°C was recorded as 60.6°C after 10 minutes.

An under-surface temperature in excess of 60°C may be sufficient to damage some surfaces.

Tests marked (*) in this Test Report are not included in the UKAS Accreditation Schedule for this Laboratory
Opinions and interpretations expressed herein are outside the scope of UKAS Accreditation
The results relate to the samples tested and do not constitute any form of batch approval



GEORGE CARTER
Technician
HARDLINES



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Heat Resistance of Placemats and Coasters

Sample Description

Coaster with "Gary" print

Assessment

- Thermal probes were fixed to the top and underside of the coaster.
- An aluminium block was heated until the core acquired the temperatures indicated below (block temperature).
- The block* was then placed onto the coaster with thermal probes attached:

Between the heated block and the top of the coaster (top)

and

The underside of the coaster (and resting surface)

- The maximum temperature was recorded over a 10-minute period on the top and underside of the coaster and as indicated below.

Results

(All temperatures °C (±2°C))

Block temperature in oven: 100 °C

Minutes	0	1	2	3	4	5	6	7	8	9	10
Top	79.3	84.1	85.6	85.7	85.3	84.4	83.3	82.1	80.0	79.3	78.0
Bottom	26.2	32.9	42.0	49.9	53.8	56.5	58.1	59.2	60.1	60.4	60.6

Summary

Block temp. (°C)	Maximum temp. Top (°C)	Maximum temp. Underside (°C)	Visual examination top surface (16 – 24 hours)
100	85.7	60.6	No visual damage

- The maximum temperature recorded on the underside of the coaster with the test block at 100°C was 60.6°C after 10 minutes.
- The temperature on the underside of the coaster was over 60°C and was considered not acceptable. Over 60°C may cause damage to an underlying surface.

*As described in BS EN 12722 Furniture Assessment - for assessing surface resistance to dry heat was utilised for the test.



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Inspection

- The sample was allowed to stand for 16 - 24 hours, when a visual examination took place.
- The visual examination was considered satisfactory.
- Damage was not evident.

Date of testing: 23rd – 24th October 2018



END OF REPORT

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