



SATRA Technology Centre Ltd  
Wyndham Way, Telford Way, Kettering,  
Northamptonshire, NN16 8SD United Kingdom  
Tel: +44 (0) 1536 410000  
email: [info@satra.com](mailto:info@satra.com)  
[www.satra.com](http://www.satra.com)

## TECHNICAL REPORT

GROSVENOR FABRICATIONS LTD (GF-TRADE) UNIT H, SUITES 15 & 16  PEAK BUSINESS CENTRE  WOODSIDE IND. EST.  BISHOPS STORTFORD  Hertfordshire  CM23 5BZ  United Kingdom	SATRA reference:	FUR2015809	
	Report ID/Issue number:	2446	1
	Your reference:	47021/1	
	Date samples received:	15/11/2024	
	Date(s) work carried out:	15/11/2024 to 13/12/2024	
	Date of report:	16/12/2024	

### Testing Requirements

Testing of a sample described by the customer as 'Ceramic Slate Effect Table Top' to BS 6250-3:1991 clauses 4.3 and 4.4.1 for free standing kitchen surfaces at heavy level only

For SATRA's full terms and conditions see our website: [https://www.satra.com/terms\\_of\\_business.php](https://www.satra.com/terms_of_business.php)

For SATRA's statements regarding the confidentiality, publication and dissemination of this report, decision rules and UKAS accreditation please see the final page of this technical report.

**Report Signed by:**

Johnny Worthington

  
**Report Signatory**

## ASSESSMENT OF THE CERAMIC SLATE EFFECT TABLE TOP

As requested by Grosvenor Fabrications Ltd (gf-trade), SATRA have assessed the sample submitted, as detailed below.

### SAMPLE SUBMITTED

Sample reference: Ceramic Slate Effect Table Top  
Testing conducted by: P. Green & M. Evans



### TESTS CARRIED OUT

BS 6250:1991 Domestic and contract furniture Part 3 – “Specification for performance requirements for cabinet furniture” - Clause 4.3 and 4.4.1 surface finishes for working surfaces in free standing kitchen units.

This testing assesses the resistance to wet and dry heat, marking by liquids/solvents, mechanical damage and resistance to oils and fats.

Test Level: Heavy

### CONCLUSION

The sample of a surface finish, described by the customer as the ‘Ceramic Slate Effect Table Top’, supplied for testing by Grosvenor Fabrications Ltd (gf-trade), has satisfied the relevant requirements given in BS 6250-3:1991 – Working surfaces in free standing kitchen units, Clause 4.3 and 4.4.1, at the Heavy Test Level.

**REQUIREMENTS AND RESULTS**
**CERAMIC SLATE EFFECT TABLE TOP**
**BS 6250 Part 3:1991 – Working surfaces in free standing kitchen units, Heavy Test Level**

Property	Test Method	Minimum Performance Rating (see Note)			Results
		Light	General	Heavy	
<b>Resistance to marking by liquids:</b>					
Acetone	BS EN 12720: 2009 + A1:2013* (one hour duration)	3	5	5	5
Butyl acetate		3	5	5	5
Toilet Spirits		4	5	5	5
Potable Spirits		5	5	5	5
Tea		5	5	5	5
Coffee		5	5	5	5
Disinfectant (phenol)		5	5	5	5
Disinfectant (chloro)		5	5	5	5
Paraffin oil		5	5	5	5
Blackcurrant juice		5	5	5	5
Ammonia solution		5	5	5	5
Acetic acid (4.4% solution)		5	5	5	5
Olive oil		5	5	5	5
<b>Resistance to mechanical damage:</b>					
Scrape, surface penetration	BS 3962:Part 6:1980	2	5	5	5
Scrape, penetration to substrate		3	5	5	5
Impact		3	4	5	5
Crosscut, surface penetration			3	4	5
<b>Resistance to wet heat:</b>					
55°C	BS EN 12721:2009 + A1:2013** (20 minutes duration)	4	5	5	5
70°C		3	4	5	5
85°C		3	4	5	5

<b>Resistance to dry heat:</b>					
85°C					
100°C	BS EN 12722:2009 + A1:2013** (20 minutes duration)				
120°C		3	5	5	5
140°C		2	4	4	5
160°C		2	3	4	5
<b>Resistance to oils and fats:</b>					
Oils	BS 3962:Part 5:1980	5	5	5	5
Fats		5	5	5	5
<p>Note: A maximum of two results in any one column may fall below the ratings shown in the table provided that each is no more than 1 rating below the requirements and that neither rating is less than a rating of 2</p> <p><i>N/A denotes not applicable</i></p>					

Note 1: The light source used for the assessment was an overhead diffused light source.

**Deviations:**

\* *Deviation from standard: The glass petri dishes used for covering the liquid application paper discs are not available in the size stated in the standard (approximately 40mm external diameter x approximately 25mm height), therefore dishes with dimensions of approximately 54mm external diameter x approximately 19mm height were used instead.*

\*\* *Deviation from standard: The alloy used in the production of the aluminium heat blocks is not alloy 6060 as detailed in the standard, but alloy 6082.*

**Ratings Criteria:**

<b>BS 3962-6 Impact Test</b>	<b>Rating</b>
No surface cracking	5
Slight cracking e.g. one or two circular cracks around the edge of the indentation	4
Moderate or severe cracking confined to the area of the indentation	3
Cracking extending outside the area of the indentation and/or slight flaking of the finish	2
More than 25% of finish removed from the area of indentation	1

<b>BS 3962-6 Scrape Force at surface penetration</b>	<b>Rating</b>	<b>BS 3962-6 Scrape Force at substrate penetration</b>	<b>Rating</b>
≥ 6N	5	≥ 14N	5
< 6N but ≥ 4.5N	4	< 14N but ≥ 9N	4
< 4.5N but ≥ 3N	3	< 9N but ≥ 6N	3
< 3N but ≥ 1.5N	2	< 6N but ≥ 4N	2
< 1.5N	1	< 4N	1

<b>BS EN 12720 Cold Liquids &amp; BS EN 12721 / 2 Wet and Dry Heat</b>	<b>Rating</b>
<b>No change</b> – test area indistinguishable from adjacent surrounding area	5
<b>Minor change</b> – test area distinguishable from adjacent surrounding area, only when the light source is mirrored on the test surface and is reflected towards the observers' eye, e.g. discolouration, change in gloss and colour. No change in the surface structure, e.g. swelling, fibre raising, cracking, blistering.	4
<b>Moderate change</b> - Test area distinguishable from adjacent surrounding area, visible in several viewing directions, e.g. discolouration, change in gloss and colour. No change in the surface structure, e.g. swelling, fibre raising, cracking, blistering.	3
<b>Significant change</b> - Test area clearly distinguishable from adjacent surrounding area, visible in all viewing directions e.g. discolouration, change in gloss and colour. And /or structure of the surface slightly changed, e.g. swelling, fibre raising, cracking, blistering.	2
<b>Strong change</b> - The structure of the surface being distinctly changed - and / or discolouration, change in gloss and colour, and / or the surface material being totally or partially removed, (Liquid attack test) and / or the filter paper adhering to the surface (Wet heat test) and/or the polyamide fibre cloth adhering to the surface	1

<b>BS 3962-6 Cross Cut</b>	<b>Rating</b>
Cuts are smooth, no finish removed, except for small chips at the intersections of the cuts and an occasional small chip along the cut	5
Finish removed at intersections and intermittently along the cuts	4
Finish consistently removed along the cuts	3
Finish removed along the cuts and completely from one or more of the squares, but from less than 50% of the squares	2
Finish removed completely from more than 50% of the squares	1

<b>BS 3962-5 Oils and Fats</b>	<b>Rating</b>
No visible change	5
Slight change in lustre or a few isolated marks just visible	4
Complete test area just distinguishable	3
Marked change in appearance	2
Complete or partial removal of film	1



---

## Conditions of Use

---

### Confidentiality and Dissemination

---

SATRA test reports may be forwarded to other parties if they are not changed in any way and are not marked as confidential. Test reports must not be published, for example by including it in advertisements, without the prior, written permission of SATRA.

---

### Liability

---

Results given in this report refer only to the samples submitted for analysis and tested by SATRA. Comments are for guidance only.

A satisfactory test report in no way implies that the product tested is approved by SATRA and no warranty is given as to the performance of the product tested. SATRA shall not be liable for any subsequent loss or damage incurred by the client as a result of information supplied in the report.

---

### Accreditation

---

Where the UKAS logo is included on the test report then tests marked ≠ fall outside the UKAS Accreditation Schedule for SATRA. Where no UKAS logo is included on the test report then none of the tests reported are covered by SATRA's UKAS Accreditation.

Tests marked ¥ are performed under SATRA's Flexible UKAS Schedule.

Opinions and interpretations fall outside the UKAS Accreditation for SATRA.

---

### Uncertainty of Measurement and Decision Rules

---

Where values for uncertainty of measurement are included within the report then the uncertainty of the corresponding results are based on a standard uncertainty multiplied by a coverage factor  $k=2$ , which provides a coverage probability of approximately 95%.

When reporting results against a conformance statement (Pass/Fail or the allocation of a class or level) then uncertainty of measurement is taken into account based on a non-binary acceptance which itself is based on the guard band being equal to the expanded uncertainty.

Where the result corrected for uncertainty falls within the tolerance of the conformance statement then the risk of the conformance statement being a false accept or false reject is up to 2.5% and SATRA will in this instance quote a Pass/Fail, class, or level.

Where the result corrected for uncertainty falls outside of the tolerance of the conformance statement then the risk of the conformance statement being a false accept or false reject is up to 50%. In this instance SATRA will not provide a Pass/Fail statement or a class or level but will include information in the notes in relation to the result obtained.

SATRA's guidelines provide recommendations that are based upon SATRA's knowledge and experience. The guidelines are intended to indicate conformance by providing information on the likely performance or characteristics of a property. As such, uncertainty of measurement is not applied when evaluating results against guideline recommendations.

---