

# TEST REPORT

## REACTION TO FIRE TEST

### Test Sponsor:

CSR Martini Pty Limited  
4 Macdonald Road,  
Ingleburn NSW 2565, Australia  
Tel: 1300 767 776, Fax: 02 9829 2211  
E: martinienquiries@csr.com.au

### Test Material/Assembly:

3D Moulded Decorative Wall Tiles

### Test Standard:

BS EN 11925-2: 2010 - Ignitability of products subjected to direct impingement of flame (Part2: Single-flame source test)



**THOMAS BELL-WRIGHT**  
**INTERNATIONAL CONSULTANTS**

Test Date: 14-Aug-19  
Issue Date: 2-Sep-19  
Test Reference No: TF058-2

PO BOX 26385, DUBAI UAE

T +971 (0)4 821 5777

fire@bell-wright.com

[www.bell-wright.com](http://www.bell-wright.com)

DUBAI

ABU DHABI

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## Accreditation

ISO/IEC 17025: General requirements for the competence of testing and calibration laboratories with:

United Kingdom Accreditation Service (UKAS) - Testing Laboratory: **4439**  
[www.ukas.com](http://www.ukas.com)



## Memberships

Members of European Group of Organization for Fire Testing, Inspection and Certification

[www.egolf.org.uk](http://www.egolf.org.uk)

Member of International Trade Council

[www.thetradecouncil.com](http://www.thetradecouncil.com)

Member of Association for Specialist Fire Protection

[www.asfp.org.uk](http://www.asfp.org.uk)

Member of Centre for Window and Cladding Technology

[www.cwct.co.uk](http://www.cwct.co.uk)



The work which is the subject of this report falls wholly or partly under the accreditations of **ISO 17025 UKAS**.



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## 1. INTRODUCTION

Determination of the performance of 3D Moulded Decorative Wall Tiles when subjected to the conditions of the test specified in BS EN ISO 11925-2:2010 "Reaction to Fire tests - Ignitability of Building Products Subjected to Direct Impingement of Flame – Part 2: Single Flame Source Test".

## 2. SPONSOR

Name: CSR Martini Pty Limited  
Address: 4 Macdonald Road,  
Ingleburn NSW 2565, Australia  
Tel: 1300 767 776, Fax: 02 9829 2211  
E: martinienquiries@csr.com.au

## 3. TESTING LABORATORY

Name: Thomas Bell-Wright International Consultants (TBWIC)  
Address: Corner of 46<sup>th</sup> and 47<sup>th</sup> Streets,  
Jebel Ali Industrial Area 1  
Dubai, United Arab Emirates  
T: +971 4 821 5777  
Website: www.bell-wright.com

## 3. DATE OF TEST

Sample received: 10-Jul-19  
Test date: 14-Aug-19

The test had not been witnessed by the sponsor.

## 4. SPECIMEN DESCRIPTION

*Note: The testing laboratory does not hold any responsibility for the information that has been provided by the test sponsor which could not be verified by the testing laboratory, as this could affect the validity of the test result. All information that could not be verified will be indicated by an asterisk (\*) mark.*

<b>Product Name</b>	3D Moulded Decorative Wall Tiles (Available size: 495 x 495mm, Flange height: 50mm)
<b>Manufacturer</b>	CSR Martini Pty Limited
<b>Thickness</b>	3-4mm (measured by TBWIC)
<b>Area weight</b>	1.1 kg/m <sup>2</sup> (measured by TBWIC)
<b>Specimen placement</b>	The tests were conducted as per below exposure conditions:  1.Surface exposure - The flame was applied on the centerline of the specimen, 40mm above the bottom edge. 2. Edge exposure - The flame was applied on the centrewidth of the bottom edge of the test specimen.

## 5. SPECIMEN VERIFICATION

The choice and design and the definition of the specimen had been made by CSR Martini Pty Limited, and TBWIC testing laboratory has not been involved in the selection or design of the specimen. Similarly, the results of the test apply only to the samples as received.

*Note: There are contexts where information has been provided by the sponsor and verification of information has been done through either technical datasheet or other document submission, or as indicated directly by the sponsor. For this reason, materials have been tested in an as-received condition and TBWIC bears no liability for the legitimacy of the submitted information.*

## 6. METHOD OF TEST

### 6.1. Test Procedure

Six specimens were tested, three specimens cut lengthwise and three crosswise. Following the preliminary operations stated in the standard, the burner was lighted in the vertical position and the flame was allowed to stabilize to give a flame height of 20mm.

The distances of the burner from the specimen were checked by means of the relevant spacer, the burner was tilted at 45° with respect to its vertical axis and was advanced horizontally until the flame reached the pre-set contact point with the test specimen. The burner was retracted in a smooth continuous manner after the test time.

Two flame application times are available, 15 s or 30 s, as required by the sponsor. The start time of the test was on application of the flame. Tests may need to be conducted to either surface exposure or edge exposure, or both.

### 6.2. Conditioning

After delivery on 10-Jul-19, the specimen was stored in room temperature prior to the test ranging from 21 to 25°C and 45 to 55% relative humidity.

## 7. SUMMARY OF RESULTS

The test specimen has been evaluated in accordance with BS EN ISO 11925-2:2010 "Reaction to Fire tests - Ignitability of Building Products Subjected to Direct Impingement of Flame – Part 2: Single Flame Source Test.

The test results are:

Specimen No.	Ignition Yes/No	Time from start of test for flame tip to reach 150mm (seconds)	Extent of Flame Spread (mm)	Flaming Droplets/ particles	Glowing
1	No	Not Reached	<150	Nil	Nil
2	No	Not Reached	<150	Nil	Nil
3	No	Not Reached	<150	Nil	Nil
4	No	Not Reached	<150	Nil	Nil
5	No	Not Reached	<150	Nil	Nil
6	No	Not Reached	<150	Nil	Nil

**Table 1: Test Flame Application Position and Time - Surface Exposure for 30 seconds**



Specimen No.	Ignition Yes/No	Time from start of test for flame tip to reach 150mm (seconds)	Extent of Flame Spread (mm)	Flaming Droplets/ particles	Glowing
1	Yes	Not Reached	<150	Nil	Nil
2	Yes	Not Reached	<150	Nil	Nil
3	Yes	Not Reached	<150	Nil	Nil
4	Yes	Not Reached	<150	Nil	Nil
5	Yes	Not Reached	<150	Nil	Nil
6	Yes	Not Reached	<150	Nil	Nil

Table 2: Test Flame Application Position and Time - Edge Exposure for 30 seconds

## 8. LIMITATION

The test results relate to the behavior of the test specimens of a product under the particular conditions of the test; they are not intended to be sole criterion for assessing the potential fire hazard of the product in use - Clause 9r, BS EN 11925-2:2010.

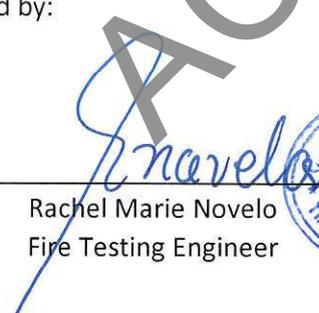
## 9. RECOMMENDATION

This report and all records of the test to which it relates may not be retained by TBWIC further than 5 years from the date of testing.

This test report is respectfully submitted by: Thomas Bell-Wright International Consultants

Prepared by:

Reviewed and Approved by:

  
Rachel Marie Novelo  
Fire Testing Engineer

  
Suketa Tyagi  
Reaction to Fire Manager



----End of Test Report----