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BORAL STONE PRODUCTS LLC.

TEST REPORT

REPORT ISSUED TO
Boral Stone Products LLC
2256 Centennial Rd
Toledo, OH 43617 USA

SCOPE OF WORK
Report of testing of Versetta Stone (Napa, California) for compliance with the applicable requirements of the following criteria: CAN/ULC S114-18, Standard Method of Test for Determination of Non-Combustibility in Building Materials

REPORT NUMBER
103770303COQ-001a

ISSUE DATE
10-January-2019
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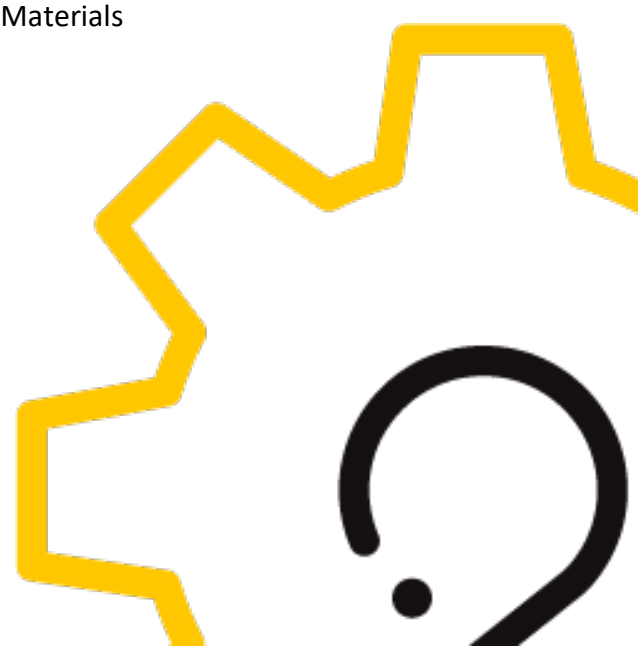

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BORAL STONE LLC
Report No.: 103770303
Date: January 10, 2019

The samples of Versetta Stone (Napa, California) submitted by Boral Stone LLC, were tested in accordance with CAN/ULC S114-18, Standard Method of Test for Determination of Non-Combustibility in Building Materials

The product test results are presented in Section 7 of this report.

Salvatore Balletta
TECHNICIAN
BUILDING PRODUCTS

Greg Philp
Reviewer
BUILDING PRODUCTS CANADA

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SECTION 2
OBJECTIVE

Intertek Testing Services NA Ltd. (Intertek) has conducted testing for Boral Stone LLC, to evaluate the surface burning characteristics of Versetta Stone (Napa, California). Testing was conducted in accordance with the standard methods of CAN/ULC S114-18, Standard Method of Test for Determination of Non-Combustibility in Building Materials.

This evaluation began January 10, 2019 and was completed January 10, 2019.

SECTION 3
SAMPLE SELECTION

Samples were submitted to Intertek directly from the client and were not independently selected for testing. The sample panels were received at the Evaluation Center on December 27, 2018.

SECTION 4
SAMPLE ASSEMBLY AND DESCRIPTION

The sample materials consisted of a stone material. The material measured 38mm by 38mm x 50 mm. cubes and was described by the client as Versetta Stone (Napa, California).

Prior to testing of the samples at the Intertek Coquitlam laboratory they were placed in an oven to dry at a temperature 60 $\pm$ 3°C (140 $\pm$ 5°F) for not less than 24 hrs and no more than 48 hrs. After being dried the samples were cooled to room temperature before being tested.

SECTION 5
TESTING AND EVALUATION METHODS

TEST STANDARD

Each test specimen measured 38 mm by 38 mm by 50 mm. After the specimens were conditioned, they were weighed and then tested in accordance with the test standard. The material shall be reported as non-combustible if:

A The mean of the maximum temperature rise for the three (or more) specimens of the sample during the test does not exceed 36°C; and

B There is no flaming of any of the three (or more) specimens during the last 14 minutes and 30 seconds of the test; and

Note: Any surface flash, transitory flaming or sustained flaming constitutes flaming for the purpose of this requirement.

i. The maximum loss of mass of any of the three (or more) specimens during the test does not exceed 20%; or
ii. The maximum loss of mass of any of the three (or more) specimens during the test shall not exceed 22% and the following two criteria are met for any of the three (or more) specimens during the test:
    a) The indicating thermocouple T1 shall not rise above the stabilized furnace temperature T2 at any time during the test; and
    b) No flaming from the specimens shall be observed at any time during the test.

Three of four specimens must meet the above conditions in order to be considered non-combustible in accordance with CAN/ULC S114-18.

SECTION 6
RESULTS AND OBSERVATIONS

TEST RESULTS

Sample Number	Allowable Temp. Rise (°C)	Temp. Rise Above Initial (°C)	Flaming After 30 Secs.	Weight Loss (%)	Pass/Fail
1	36	0	No	10.3	Pass
2	36	0	No	9.5	Pass
3	36	0	No	11.4	Pass
4	36	N/A	N/A	N/A	N/A

TEST OBSERVATIONS

There was no visible smoke or surface ignition on any of the samples.

SECTION 7
CONCLUSION

The samples of Versetta Stone (Napa, California) submitted by Boral Stone LLC., therefore meets the requirements to be classified as non-combustible in accordance with CAN/ULC S114-18, *Standard Method of Test for Determination of Non-Combustibility in Building Materials* due to flaming recorded on all four samples.

The conclusions of this test report may not be used as part of the requirements for Intertek product certification. Authority to Mark must be issued for a product to become certified.

REVISION LOG

REVISION #	DATE	PAGES	REVISION
0	1/10/19	7	Original Report Issue

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BORAL STONE PRODUCTS LLC.

TEST REPORT

REPORT ISSUED TO
Boral Stone Products LLC
2256 Centennial Rd
Toledo, OH 43617 USA

SCOPE OF WORK
Report of testing of Versetta Stone (Chester, South Carolina) for compliance with the applicable requirements of the following criteria: CAN/ULC S114-18, Standard Method of Test for Determination of Non-Combustibility in Building Materials

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BORAL STONE LLC
Report No.: 103770303
Date: January 11, 2019

The samples of Versetta Stone (Chester, South Carolina) submitted by Boral Stone LLC, were tested in accordance with CAN/ULC S114-18, Standard Method of Test for Determination of Non-Combustibility in Building Materials

The product test results are presented in Section 7 of this report.

Salvatore Balletta
TECHNICIAN
BUILDING PRODUCTS

Greg Philp
Reviewer
BUILDING PRODUCTS CANADA

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SECTION 2
OBJECTIVE

Intertek Testing Services NA Ltd. (Intertek) has conducted testing for Boral Stone LLC, to evaluate the surface burning characteristics of Versetta Stone (Chester, South Carolina). Testing was conducted in accordance with the standard methods of CAN/ULC S114-18, Standard Method of Test for Determination of Non-Combustibility in Building Materials.

This evaluation began January 10, 2019 and was completed January 10, 2019.

SECTION 3
SAMPLE SELECTION

Samples were submitted to Intertek directly from the client and were not independently selected for testing. The sample panels were received at the Evaluation Center on January 4, 2019.

SECTION 4
SAMPLE ASSEMBLY AND DESCRIPTION

The sample materials consisted of a stone material. The material measured 38mm by 38mm x 50 mm. cubes and was described by the client as Versetta Stone (Chester, South Carolina).

Prior to testing of the samples at the Intertek Coquitlam laboratory they were placed in an oven to dry at a temperature 60 $\pm$ 3°C (140 $\pm$ 5°F) for not less than 24 hrs and no more than 48 hrs. After being dried the samples were cooled to room temperature before being tested.

SECTION 5
TESTING AND EVALUATION METHODS

TEST STANDARD

Each test specimen measured 38 mm by 38 mm by 50 mm. After the specimens were conditioned, they were weighed and then tested in accordance with the test standard. The material shall be reported as non-combustible if:

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SECTION 6
RESULTS AND OBSERVATIONS

TEST RESULTS

Sample Number	Allowable Temp. Rise (°C)	Temp. Rise Above Initial (°C)	Flaming After 30 Secs.	Weight Loss (%)	Pass/Fail
1	36	0	No	10.2	Pass
2	36	0	No	10.0	Pass
3	36	0	No	10.6	Pass
4	36	N/A	N/A	N/A	N/A

TEST OBSERVATIONS

There was no visible smoke or surface ignition on any of the samples.

SECTION 7
CONCLUSION

The samples of Versetta Stone (Chester, South Carolina) submitted by Boral Stone LLC., therefore meets the requirements to be classified as non-combustible in accordance with CAN/ULC S114-18, *Standard Method of Test for Determination of Non-Combustibility in Building Materials* due to flaming recorded on all four samples.

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