



REPORT NUMBER: 101373158COQ-001a
ORIGINAL ISSUE DATE: October 17, 2013

EVALUATION CENTER
Intertek Testing Services NA Ltd.
1500 Brigantine Drive
Coquitlam, B.C. V3K 7C1

RENDERED TO

Monoglass Inc.
922 – 1200 West 73rd Avenue
Vancouver BC V6P 8G5

PRODUCT EVALUATED: Monoglass® Spray Applied Fiberglass Insulation
EVALUATION PROPERTY: Non-Combustibility Performance

Report of testing Monoglass® Spray Applied Fiberglass Insulation for compliance with the applicable requirements of the following criteria: CAN/ULC S114-05, *Standard Method of Test for Determination of Non-Combustibility in Building Materials*

This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

TEST REPORT

1 Table of Contents

	PAGE
1 Table of Contents	2
2 Introduction	3
3 Test Samples	3
3.1. SAMPLE SELECTION	3
3.2. SAMPLE AND ASSEMBLY DESCRIPTION	3
4 Testing and Evaluation Methods.....	4
4.1. TEST STANDARD.....	4
5 Testing and Evaluation Results	4
5.1. TEST RESULTS.....	4
6 Conclusion	5
REVISION SUMMARY	

2 Introduction

Intertek Testing Services NA Ltd. (Intertek) has conducted testing for Monoglass Inc., on Monoglass® spray applied thermal and acoustic fiberglass insulation, to evaluate non-combustibility performance. Testing was conducted in accordance with CAN/ULC S114-05, *Standard Method of Test for Determination of Non-Combustibility in Building Materials*.

This evaluation began October 11, 2013 and was completed the same day.

3 Test Samples

3.1. SAMPLE SELECTION

Samples were submitted to Intertek directly by the client. All product descriptions and identifications were provided by Monoglass Inc, and Intertek accepts no responsibility for any inaccuracies provided. Samples were not independently selected for testing. Samples were received at the Evaluation Center on October 4, 2013.

3.2. SAMPLE AND ASSEMBLY DESCRIPTION

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

The test samples consisted of 38 mm by 38 mm by 50 mm. specimens of fiberglass insulation material. They were identified by the client as Monoglass® spray applied thermal and acoustic fiberglass insulation

4 Testing and Evaluation Methods

4.1. 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.
- C The maximum loss of mass of any of the three (or more) specimens during the test does not exceed 20 per cent.

Three of four specimens must meet the above conditions in order to be considered non-combustible in accordance with CAN/ULC S114-05.

5 Testing and Evaluation Results

5.1. 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	12	Pass
2	36	0	No	11	Pass
3	36	1	No	10	Pass

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


6 Conclusion

The samples of Monoglass® spray applied thermal and acoustic fiberglass insulation, submitted by Monoglass Inc, met the requirements to be classified as non-combustible in accordance with CAN/ULC S114-05, *Standard Method of Test for Determination of Non-Combustibility in Building Materials*.

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.

INTERTEK TESTING SERVICES NA LTD.

Tested and
Reported by:



David Park
Technician – Building Products

Reviewed by:



Greg Philp
Reviewer – Building Products

REVISION SUMMARY

DATE	PAGE	SUMMARY
October 17, 2013		Original Issue Date