



Intertek Testing Services
ETL SEMKO

TEST DATE: JANUARY 8 & 9, 2003 REPORT DATE: JANUARY 10, 2003

REPORT NO. 3036584

**FIRE RETARDANCY TEST
OF A COMPOSITE SIMULATED SHAKE
AS A ROOF COVERING MATERIAL**

FOR
WELLINGTON POLYMER TECHNOLOGY INC.
650 RIVERVIEW DRIVE
CHATHAM, ON N7M 5W8

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Reported by,

Kent Kelsey
Testing Engineer

Reviewed by,

Rick Curkeet
Chief Engineer ITS (NA)

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Warnock Hersey



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INTRODUCTION

Intertek Testing Services NA (ITS) Fire Testing Laboratory in Middleton, Wisconsin conducted an investigation of the external fire resistance characteristics of a roof covering system.

These tests were conducted in accordance with ASTM E108 "Standard Test Methods for Fire Tests of Roof Coverings" and UBC 15-2 for a Class "C" rating. The test results described in this report are limited to the submitted items.

DESCRIPTION OF MATERIAL AND ROOF COVERING SYSTEM

The product covered by this report is a Wellington Polymer Technology Inc. *Enviroshake*[®], composite simulated roof shake mechanically fastened.

Deck: 15/32 inch thick AC plywood.

Insulation: none.

Underlayment: 30lb organic felt.

Shake: Wellington Polymer Technology Inc. *Enviroshake*[®], composite simulated roof shake. Tested with 9" exposure, 3/8" gap and 30 lb felt 17" strip between courses.

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TEST DATA

SPREAD OF FLAME TEST RESULTS

(Class "C" Exposure)

Roofing System Description

Spread of Flames Sample #1: 40" wide by 156" long.

Spread of Flames Sample #2: 40" wide by 156" long.

Test Conditions

Test Date: 1/08/03
Ambient Air Temperature: 59°F
Flame Temperature: 1300 +/-50°F
Flame Duration: 4 minutes
Air Velocity: 1056 +/-44 fpm

Test Results

	<u>Sample #1</u>	<u>Sample #2</u>
Slope of Test Decks:	5:12	5:12
Maximum Flame Spread	5'11"	7'10"
Excessive Lateral Flame Spread:	None	None

Acceptance Level Class "C"

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INTERMITTENT FLAME TEST RESULTS

(Class "C" Exposure)

Roofing System Description

Intermittent Flame Sample #1: 40" wide by 52" long.

Intermittent Flame Sample #1: 40" wide by 52" long.

Test Conditions

Test Date: 1/08/03
Ambient Air Temperature: 53°F
Air Velocity: 1056 +/-44 fpm
Flame Temperature: 1300 +/-50°F
Flame Duration: 1 minute on / 2 minute off.
Number of Cycles: 3

Test Results

	<u>Sample #1</u>	<u>Sample #2</u>
Slope of Test Decks:	5:12	5:12
Sustained Flaming on underside of Deck:	No	No
Deck Exposure:	No	No

Test Observations:

The test were continued until all evidence of smoke had stopped or 1/2 hour after the last flame cycle exposure .

Acceptance Level Class "C"

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CONCLUSION

The "Wellington Polymer Technology Inc. *Enviroshake®*", composite simulated roof shake, as described herein, complied with the acceptance criteria for an external fire resistance rating of Class "C" for roof covering application at any incline, (tested at 5:12) in accordance with the test method of UBC Standard No. 15-2 and ASTM E108-00.

Reported by:


Kent Kelsey.
Testing Engineer

Report reviewed by:


Rick Curkeet
Chief Engineer

This report does not automatically imply product certification.

Products must bear the Warnock Hersey registered certification mark and follow a certification program to demonstrate compliance.

Intertek Testing Services - Middleton Wisconsin