

Intertek

TEST REPORT

**Intertek Testing
Services NA, Inc.**
16015 Shady Falls Road
Elmendorf, TX 78112
(voice) 210-635-8100
(fax) 210-635-8101
www.intertek.com

**ASTM E648
Standard Test Method for Critical
Radiant Flux of Floor-Covering
Systems Using a Radiant Heat Energy
Source**

Self – Adhesive Vinyl;
ID: panoRama Walk & Wall

Project No. 101611878SAT-001A

May 28, 2014

Prepared for:
Continental Grafix USA Inc.
304 Leitz Place
Statesville, NC 28677

TEST REPORT

Sample Received: April 09, 2014
(This specimen was received in good condition.)

Test Date: May 22, 2014

Sample Conditioning: 69.8±5.4°F and 50±5% relative humidity

Sample Identification

ID: panoRama Walk & Wall

Description

Self – Adhesive Vinyl

Sample Preparation

The samples had a self-adhesive backing and were applied to cement board by Intertek.

Environmental Conditions: 72°F and 66% r.h.

This Test Witnessed by: n/a

Test Overview

This procedure provides a way of measuring *critical radiant flux* (the level of incident radiant heat energy on floor-covering systems at the most distant flame-out point, reported as W/cm²) of horizontally mounted attic floor insulation exposed to a flaming ignition source while being exposed to radiant heat energy from a panel with approximately a 30° angle from the horizontal. The radiant flux ranges from 1.03 W/cm² at the 100 mm mark to 0.15 W/cm² at the 900 mm mark.

Test Procedure

At least three specimens shall be tested. The specimens are conditioned at 69.8 ± 5.4°F and a relative humidity of 50 ± 5 % for a minimum of 48 hours. Following the ASTM E648 calibration procedures, the first specimen was loaded into the test chamber. After a 5 minute pre-heat time, the pilot flame was placed into contact with the specimen at the 0 mm mark. This pilot flame is to remain in contact with the specimen for 5 minutes, then removed. If the specimen does not propagate flame during the 5 minute pilot flame contact, then the test is terminated. For specimens that do propagate flame, the test is continued until the flame goes out. The distance to the farthest flame-out point is noted, which is then used to determine the critical radiant flux, based on a radiant heat energy flux profile curve of the apparatus obtained during calibration.

Test Results

ASTM E 648 Panels

Specimen	1	2	3
Maximum Distance (mm)	122	53	34
Time to Max. Distance (min.)	10:04	10:03	10:09
Critical Radiant Flux (W/cm²)	1.00	N/A	N/A
Time to All Flame Out(min.)	10:04	10:03	10:09

***Data below 100mm is not available. (Radiant Flux at 100mm =1.03 W/cm sq.)
It is not part of the test standard procedure to record radiant flux values below 100mm.*

Observations (min: sec)

Run No.	Smoking	Discolored	Ignition
1	1:15	4:15	5:10
2	1:21	4:08	5:12
3	1:30	N/A	5:03

The average critical flux, the standard deviation, and the coefficient of variation were not applicable.

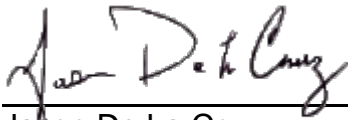
This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to copy or distribute 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.



Theodore Salazar
Technician Team Leader

May 28, 2014

Reviewed and approved:



Jason De La Cruz
Project Engineer

May 28, 2014

REVISION SUMMARY

DATE	SUMMARY
5/28/2014	Original Issue. No Revisions.