



Received:08/09/2011	Completed:08/09/2011	Letter: P	rb	P.O.#:	Test Report #:	2-88656-0-
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Client's Identification	Walltopia Plywood Panels-Resin Coating. Description: Resin Coating with Orange Colored Paint Applied to Exposed Surface on 21mm Thick Birch PLW. (see attached addendum]
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Tested For: Anastasia Orsova Walltopia LTD 20A Eng Georgi Belov str. Mladost 3, 1712 Sofia, BULGARIA	Key Test: CAN/ULC-S102	4500
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LE: 2010 PC: ME CODE: I=2000 F=4500 CLEAN=750 dl/jd

TEST PERFORMED: CAN/ULC-S102-10 - Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies

TEST CONDUCTED:

- Indicative
- Formal

PRODUCT CATEGORY: Composite Panel Material

BRIEF DESCRIPTION OF TEST METHOD:

The method is designed to determine the relative burning characteristics of materials under specific test conditions. Results of less than three identical specimens are expressed in terms of Flame Spread Value (FSV) and Smoke Developed Value (SDV). Results of three or more replicate tests on identical specimens produce average values expressed as Flame Spread Rating (FSR) and Smoke Developed Classification (SDC).

SUMMARY OF TEST PROCEDURE:

The tunnel is preheated to 85°C, as measured by the backwall-embedded thermocouple located 7090 mm downstream of the burner ports, and allowed to cool to 40°C, as measured by the backwall-embedded thermocouple located 4000 mm from the burners. At this time the tunnel lid is raised and the test sample is placed along the ledges of the tunnel so as to form a continuous ceiling above the floor and then the lid is lowered. Upon ignition of the gas burners, the flame spread distance is observed and recorded every 15 seconds. Flame spread distance versus time is plotted, ignoring any flame front recessions. Calculations are based on comparison with flame spread characteristics of select red oak, determined in calibration trials and arbitrarily established as 100. If the area under the curve (A) is less than or equal to 29.7 m•min, FSV=1.85•A; if greater, FSV=1640/(59.4-A). The Smoke Developed Value is determined by comparing the area under the obscuration curve for the test sample to that of inorganic reinforced cement board and red oak, established as 0 and 100, respectively.

SAMPLE PREPARATION :

- The sample consisted of four sections of materials, each approximately 22 mm in thickness by 445 mm in width by 1829 mm in length butted together to form the requisite specimen length. The panel sections were supported by steel bars.

Other: _____