



Revision Date: 28-June-2018

LIONPLY - PRODUCT SPECIFICATIONS

PRODUCT: LIONPLY™ ROTARY CUT BIRCH PLYWOOD PANELS

SPECIES: BIRCH FACE & BACK

CORE SPECIES: FULL POPLAR CORE

CONSTRUCTION: VENEER CORE

FINISH: UV CURED 100% SOLID COATING

GLUE TYPE: E0 emission

PANEL MEETS: ULEF, CARB 2, TSCA VI

FORMALDEHYDE EMISSION: 0.01ppm

FLAME SPREAD CLASS: B

ASTM E84 Flame Spread Index: 55

ASTM E84 Smoke Developed index: 85

COUNTRY OF ORIGIN: CHINA

FIRE RATING CLASSIFICATION

1. 2006 International Building Code

a. Section 803 Wall and Ceiling Finishes, Paragraph 803.1 General states, "Interior wall and ceiling finishes shall be classified in accordance with ASTM E- 84. Such interior finish materials shall be grouped in the following classes in accordance with their flame spread and smoke-developed indexes.

i. Class A: Flame Spread 0-25; smoke-developed 0-450

ii. Class B: Flame Spread 26-75; smoke-developed 0-450

iii. Class C: Flame Spread 76-200; smoke-developed 0-450

Class A, B, and C correspond to type I, II, and III respectively in other codes such as SBCCI, BOCA, ICBO.

They do not preclude a material being otherwise classified by the authority of jurisdiction.

Specifications Continued,

FORMALDEHYDE TEST DATA

We confirm that our Lionply™ plywood meets: CARB & TSCA VI
Lionply™ EO emission panels tested using ASTM D6007-14, Standard Formaldehyde Emission from Composite Wood Products and Quality Assurance Requirement for Manufacturer of Composite Wood Products.



Referencing Report No.: 103514284GRR-001bRR

Date: 21-May-2018 P.O.: CAN20-0000210341 Revision Date: 24-May-2018

Table 2: Sample and Chamber Conditions During Test Period

PARAMETER		SYMBOL	VALUE	UNITS
Sample Dimensions	Length	-	0.159	m
	Width	-	0.158	m
Exposed Sample Surface Area		A	0.050	m^2
Chamber Volume		V	0.116	m^3
Chamber Loading Factor		L	0.43	$\text{m}^2 \text{m}^{-3}$
Inlet Air Flow Rate		Q	0.0582	$\text{m}^3 \text{h}^{-1}$
Air Change Rate		N_{ACH}	0.501	h^{-1}
Area Specific Flow Rate		q_A	1.158	m h^{-1}
Testing Duration		t	18	h
Chamber Pressure (Range)		P	17.0 (12.0-21.8)	Pa
Average Temperature (Range)		T	24.2 (23.8-24.9)	$^{\circ}\text{C}$
Average Humidity (Range)		RH	50.0 (46.0-51.6)	% RH

Table 3: Formaldehyde Emission Data

SAMPLE NO.	DESCRIPTION	BLANK CHAMBER CONC. (ppm)	SAMPLE 1 CONC. (ppm)	SAMPLE 2 CONC. (ppm)	AVERAGE CHAMBER CONC. (ppm)
2	BIRCH LIONPLY Sample 2	< 0.01	0.01	0.01	0.01