



International Wood Products Inc.

14 January 2010

Argo Fine Imports
3045 Ridgeway Dr. Suite 316
Metairie, LA 70002

Dear Todd,

Subject: PT. Kayu Lapis Indonesia (KLI) products with F4S Glue

F4S or F 4 Star (known as F****) is one of the formaldehyde emission standard used for the Japan market and the Japanese standard have been around more than 15 years. During plywood production, LFE glue is spread over the veneers and a chemical agent (known as catcher) is employed over the glued surface. The catcher will absorb majority of the formaldehyde emitted from the glue. The panels, when tested, will be below the CARB phase 2 required emission levels for hardwood plywood.

Best regards,

A handwritten signature in black ink, appearing to read 'KUR ANTONO', with a stylized flourish at the end.

KUR ANTONO
Asst. Vice-President & Gen. Mgr.
International Wood Products, Inc.
(U.S. Representative of PT. Kayu Lapis Indonesia)



International Wood Products Inc.

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Argo Fine Imports
3045 Ridgelake Dr. Suite 316
Metairie, LA 70002

Dear Todd,

This is to certify that the plywood production of PT. Kayu Lapis Indonesia (KLI) shipped to Argo Fine Imports are based on BB/CC/OVL grade and these materials comply with the IHPA grading rules.

Best regards,

A handwritten signature in black ink, appearing to read 'Kur Antonio', with a horizontal line underneath.

KUR ANTONO
Asst. Vice-President & Gen. Mgr.
International Wood Products, Inc.
(U. S. Representative of PT. Kayu Lapis Indonesia)

MATERIAL SAFETY DATA SHEET

I. GENERALS DATA

- Manufacture's name PT. Kayu Lapis Indonesia
- Emergency contact no. 62-64-8662980
- Chemical name Urea Formaldehyde Resin
- Trade name LFE - UL 201

II. PHYSICAL DATA

- Appearance Milky White
- Specific gravity (30°C) Min. 1.1900
- Solid content (135°C/1 hour) Min 52%
- Solubility in water Moderate solubility
- Shelf Stability Not less than 20 hrs / 70°C

III. FIRE AND EXPLOSIVE HAZARD DATA

- Flash point Not Applicable
- Extinguishing media Water, Chemical foam, CO2, Dry Chemical

IV. HEALTH HAZARD DATA

- Threshold limit value Didn't have any significant acute toxicity
- Eye contact
 - Flash eyes including under eyelids, with large quantities of clear water.
- Inhalation
 - Remove to fresh air.
- Skin contact
 - Flash skin with large quantities of clear water

TECHNICAL SPECIFICATION UL - 201

Application	UL-201 is an aqueous solution of synthetic thermosetting resin adhesive. When mixed with the hardener provides a glue for interior grade hot pressed plywood.	
Specifications	Appearance	: Milky White
	Viscosity (30°C)	: 80 - 120 cps
	PH value (30°C)	: 6.9 - 7.5
	Specific Gravity (30°C)	: min 1.1900
	Solid Content	: 52 ± 1 %
Hardener (Granular)	Hardener UL-201 is WL-C0 it is packed in bags	
Storage	UL-201 and hardener WL-C0 should be storage in a cool dry place. Under these conditions the storage lives are follows:	
	UL-201 at (30°C)	= 1 month
	WL-C0 at (30°C)	= 2 months
Notice	The recommendations given in these notes are based on result gained from experience and tests.	
Recommended Glue Mix	a. UL-201	: 100% /kg
	b. Wheat Flour	: 18 - 20% /kg
	c. WL-C0	: 5 - 15% /kg
	The viscosity of the glue mix may be adjusted at 15 - 20 poise	
Pot Life	The pot life of the recommended glue mix in hours is as follows:	
	35 deg C	4 hours
Glue spreading value	<u>Core (mm)</u>	<u>gr/ft²</u>
	1.3	24 - 30
	2.0	30 - 34
	3.0	34 - 40
Assembly time	The recommended assembly time is maximum 4 hour. But generally, assembly time should be kept as quickly as possible.	
Cold Pressing	Pressure	: 9 - 11 kg/cm ²
	Time	: 15 - 30 minutes
Hot Pressing	Pressure	: 9 - 11 kg/cm ²
	Temperature	: 110°C - 120°C