

# WHAT DOES CARB MEAN TO MY BUSINESS AS A FABRICATOR?



Sharing information with our partners

Prepared by LAMIN-ART

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# INDOOR AIR QUALITY IS A TOP PRIORITY CALIFORNIA ELIMINATES ADDED UREA FORMALDEHYDE

- 🌿 This session will provide information on CARB, its January, 2009 launch date with following Phases, and impacts upon fabrication with documentation requirements for the HPL markets.



# INDOOR AIR QUALITY IS A TOP PRIORITY CALIFORNIA ELIMINATES ADDED UREA FORMALDEHYDE

 As we begin, it is important to note that:

HPL doesn't contain added formaldehyde.

Lamin-Art HPL has been certified by GREENGUARD as a low-emitting product for indoor air quality.

The application of HPL to CARB compliant core material with proper adhesives helps to assure air quality for healthy indoor environments.

## WHAT IS THE CALIFORNIA AIR RESOURCES BOARD (CARB)?

One of six agencies within the California Environmental Protection Agency, EPA, the Air Resources Board's (ARB) mission is to “Promote and protect public health, welfare and ecological resources through the effective and efficient reduction of air pollutants in recognition and consideration of the effects on the economy of the state.”



# HOW CAN CARB INFLUENCE MY BUSINESS?

The state of California has led the U.S. as an early adopter of many environmental and health/safety initiatives. History has shown the U.S. market to quickly follow California.

# HOW CAN CARB INFLUENCE MY BUSINESS?

- 🌿 In 1992 the EPA identified formaldehyde as a probable carcinogen and the state of California named it a **toxic air contaminant with no safe level of exposure.**





# HOW CAN CARB INFLUENCE MY BUSINESS?

- 🌿 In 2001, the United States Green Building Council, USGBC's LEED rating system began awarding credit for use of composite wood products with no added urea formaldehyde, setting a high standard an clear signal to the market.



# HOW CAN CARB INFLUENCE MY BUSINESS?

- 🌿 In May, 2007 the most stringent regulations on formaldehyde emissions from particleboard and other composite wood products were unanimously adopted by CARB. Five states currently have similar proposed legislation closely following CARB Regulation 93120.12.



# HOW CAN CARB INFLUENCE MY BUSINESS?

- 🌿 In January, 2009, Phase I of CARB 93120.12 will be implemented and phased in through 2012.

WHAT DOES CARB DO?

## CARB IS THE AGENCY RESPONSIBLE FOR:

- Setting emission standards for motor vehicles, fuels and consumer products.
- Setting health-based air quality standards.
- Conducting research.
- Monitoring air quality.





# CARB IS THE AGENCY RESPONSIBLE FOR:

- Identifying and setting control measures for toxic air contaminants.
- Providing **compliance assistance** for businesses.
- Producing education and outreach programs and materials. Overseeing and assisting local air quality districts which regulate most non-vehicular sources of air pollution.





— WHAT IS THE PURPOSE OF  
CARB REGULATION 93120.12?

*“Airborne Toxic Control Measure to  
Reduce Formaldehyde Emissions  
from Composite Wood Products”*



## WHAT IS THE PURPOSE OF CARB REGULATION 93120.12?

— The purpose is to **reduce formaldehyde emissions from composite wood products** and finished goods that contain composite wood products, that are sold, offered for sale, supplied, used, or manufactured for sale in California.





WHAT IS THE FUNCTION OF THE REGULATION?



## WHAT IS THE FUNCTION OF THE REGULATION?

Establishes new formaldehyde emission limits for plywood, particleboard, and MDF; and their use in finished goods.





## WHAT IS THE FUNCTION OF THE REGULATION?

Panel manufacturers must demonstrate compliance through third party certification





## WHAT IS THE FUNCTION OF THE REGULATION?

**Fabricators** must use compliant products in their finished goods for California





## WHAT IS THE FUNCTION OF THE REGULATION?

Retailers, distributors and importers must obtain compliant products for sale to the California public.



## COMPOSITE WOOD PRODUCTS COVERED:

- Hardwood Plywood (HWPW)

  - Veneer core

  - Composite core

- Particleboard (PB)

- Medium Density Fiberboard (MDF)

  - Thick MDF > 8mm

  - Thin MDF < 8mm



## EXEMPTIONS INCLUDE:

Products not for sale in California

Products subject to Housing for Urban Development, HUD standards

Windows with <5% vol. composite wood

Exterior doors with <3% vol. composite wood

Military specification plywood

Vehicles

Curved plywood



## WHO DOES THE CARB REGULATION APPLY TO?

- Wood composite panel manufacturers
- Fabricators
- Third Party Certifiers
- Distributors
- Importers
- Retailers



# REQUIREMENTS FOR FABRICATORS

## CARB Regulation 93120.12

- 🌿 Emission limits for HWPW, PB and MDF
- 🌿 Product labeling
- 🌿 Statement of compliance
- 🌿 Record keeping
- 🌿 Sell-through provisions



# EMISSION LIMITS FOR HWPW, PB and MDF

- Must use compliant products in finished goods for California.
- Phase 1 Emission Standards:

PRODUCT	JANUARY 1, 2009	JULY 1, 2009
HWPW-VC	0.08 ppm	---
HWPW-CC	---	0.08 ppm
PB	0.18 ppm	---
THICK MDF	0.21 ppm	---
THIN MDF	0.21 ppm	---



# EMISSION LIMITS FOR HWPW, PB and MDF

- Must use compliant products in finished goods for California.
- Phase 2 Emission Standards:

PRODUCT	JANUARY 1, 2010	JANUARY 1, 2011	JANUARY 1, 2012	JANUARY 1, 2012
HWPW-VC	0.05 ppm	---	---	---
HWPW-CC	---	---	---	0.15 ppm
PB	---	0.19 ppm	---	---
THICK MDF	---	0.11 ppm	---	---
THIN MDF	---	---	0.13 ppm	---





# REQUIREMENTS FOR FABRICATORS

## Product Labeling

Each Product must be labeled in one of the following manners:

- On the physical product, or
- On the box containing the product, or
- On the container containing many of the same product if bulk packed

A close-up photograph of several green leaves, likely from a plant like a lily or iris, showing their characteristic shape and vein structure. The leaves are in sharp focus in the foreground and become blurred as they recede into the background. The lighting is bright, highlighting the vibrant green color of the foliage.

## REQUIREMENTS FOR FABRICATORS

Product label must contain the following information:

- NOTICE
- Statement of Compliance:
- California Air Resources Board Regulation 93120
- All hardwood plywood, particle board, medium density fiberboard, thin medium density fiberboard and finished goods containing these materials meet (specify Phase I or Phase II or ULEF or NAF) emissions limits given in the California Air Resources Board Regulation 93120.2.
- Compliance information should also be on the Invoice or Bill of Lading

# STATEMENT OF COMPLIANCE

Contains:

Date

To: Customer Name

Subject: Compliance with California Air Resources  
Board Regulations 93120





Dear Customer Name,

- ✎ Please be advised that the California Air Resources Board (CARB) has established limits on the emissions of formaldehyde from hardwood plywood, particle board, medium density fiberboard, thin medium density fiberboard, and finished goods containing these materials.
- ✎ Effective January 1, 2009, hardwood plywood, particle board, medium density plywood and finished goods containing these materials must meet emissions limits given the Title 17, California Code of Regulations Section 93120.2
- ✎ This letter is to confirm that all hardwood plywood, particle board, medium density fiberboard, thin medium density fiberboard and finished goods containing these materials supplied to (Their company name) comply with the current requirements of the CARB regulation. This written confirmation is required for your company to demonstrate compliance to the CARB regulations.



## RECORD KEEPING

All records supporting compliance must be kept in hard copy or electronic form for a minimum of 2 years.





## FOR MORE INFORMATION

CARB and regulation 93120.12

[www.arb.ca.gov](http://www.arb.ca.gov)

CARB and Composite Wood Association

[www.pbmdf.com](http://www.pbmdf.com)

Or call CPA toll-free at (866)-4Composites.

The logo for Lamin-Art, featuring the word "LAMIN-ART" in a white, sans-serif font. The letter "A" is stylized with a white, curved line that loops around it, resembling a stylized "Q" or a decorative flourish. A registered trademark symbol (®) is located at the top right of the "T".

LAMIN-ART®

## VALUES YOUR BUSINESS

We hope that this information helps you to anticipate change in the commercial industry by becoming familiar with current trends and the adoption of regulations that may influence your business.

LAMIN-ART®



[www.laminart.com](http://www.laminart.com)  
phone: (800) 323-7624