State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER N-15-089

Relating to ARB Approval for an Exemption from Third Party Certification for Composite Wood Product Manufacturers that use Ultra-low-emitting Formaldehyde Resins under section 93120.3, title 17, California Code of Regulations

JELD-WEN, INC.

WHEREAS, the Air Resources Board (ARB) has adopted the "Airborne Toxic Control Measure to Reduce Formaldehyde Emissions from Composite Wood Products" (the "ATCM"; title 17, California Code of Regulations, sections 93120-93120.12), which establishes formaldehyde emission standards for composite wood products;

WHEREAS, section 93120.1(a)(42) of the ATCM defines "ultra-low-emitting formaldehyde (ULEF) resins" to mean "resins formulated such that average formaldehyde emissions are consistently below the Phase 2 emission standards in section 93120.2," for making hardwood plywood, particleboard, or medium density fiberboard;

WHEREAS, section 93120.3(d) of the ATCM allows manufacturers of hardwood plywood, particleboard, and medium density fiberboard who use ULEF resins to apply for written approval from the Executive Officer for an exemption from the requirements of section 93120.3(b) of the ATCM;

WHEREAS, section 93120.3(d) of the ATCM allows manufacturers of hardwood plywood, particleboard, and medium density fiberboard who use ULEF resins to submit an application for an exemption from the requirements of section 93120.3(b) of the ATCM to the Executive Officer, which includes: (A) a statement indicating which product types will be manufactured using ULEF resins for sale in California; (B) the chemical formulation of the candidate ULEF resin(s), including base resins, scavenger resins, scavenger additives, catalysts, and other additives as used in manufacturing; (C) the name of their ARB approved third party certifier; and (D) data on the emissions performance of the candidate ULEF resin(s);

WHEREAS, the data on emissions performance of the candidate ULEF resin required in section 93120.3(d) of the ATCM must be obtained by working with an ARB approved third party certifier, and must include six months of routine quality control testing data, the correlation of the routine quality control testing data to primary or secondary method testing data, and the results of two primary or secondary method tests, as required in Appendix 2 of section 93120.12 of the ATCM;

WHEREAS, section 93120.3(d)(2) of the ATCM requires that ninety percent of the six months of routine quality control testing data and the results of two primary or secondary method tests must be shown to be no higher than 0.04 ppm, and that all data must be shown to be no higher than 0.05 ppm for hardwood plywood and 0.06 ppm for particleboard, medium density fiberboard, and thin medium density fiberboard;

WHEREAS, section 93120.3(d)(5) of the ATCM provides that the Executive Officer shall approve the application and issue an Executive Order if the evidence submitted by the applicant is sufficient to demonstrate that the applicant has met the requirements specified in sections 93120.3(d)(1) and 93120.3(d)(2) of the ATCM;

WHEREAS, CraftMaster Manufacturing, Inc., Line 1 (CMI-L1 or the "applicant") submitted an original application dated November 19, 2010;

WHEREAS, the original application from CMI-L1 specified the range in product manufacturing parameters, applicable post-press product treatments, base resin trade name(s) and base resin manufacturer(s)/supplier(s), and other ingredients added to the base resin by the applicant to manufacture ULEF products;

WHEREAS, the original application from CMI-L1contained base resin/adhesive information specifying the base resin polymer type and minimum and maximum values of all major and any minor ingredients in the base resin on percent weight of solids basis;

WHEREAS, the Executive Officer found that the evidence submitted by the applicant met the criteria specified in sections 93120.3(d)(1) and 93120.3(d)(2) of the ATCM;

WHEREAS, the original application from CMI-L1 was deemed complete on January 19, 2011, and CMI-DF was issued Executive Order N-11-089, signed on February 23, 2011, listing their base resins in Confidential Attachment A and B;

WHEREAS, section 93120.3(d) of the ATCM allows ULEF product manufacturers to apply for re-approval by ARB by submitting an updated application;

WHEREAS, CMI-L1 submitted an updated application for re-approval to ARB on February 6, 2013;

WHEREAS, the updated application for re-approval from CMI-L1 was deemed complete on March 7, 2013 and CMI-L1 was issued Executive Order N-13-089 signed on March 8, 2013;

WHEREAS, CMI-L1 submitted a request on January 21, 2014, and supplementary documentation to ARB for approval to change their name from "CraftMaster Manufacturing, Inc." to "JELD-WEN, Inc." (JELD-WEN);

WHEREAS, CMI-L1 provided the required information for their name change, and it was appropriate that Executive Order N-13-089 was superseded by Executive Order N-13-089A;

WHEREAS JELD-WEN agreed to abide by the conditions set forth in Executive Order N-13-089A and provided a signed letter certifying that they will do so;

WHEREAS, JELD-WEN submitted an updated application for re-approval to ARB on March 5, 2015 which was deemed complete on April 16, 2015;

WHEREAS, the Executive Officer finds that the completed, updated application demonstrated JELD-WEN's ability to continue to comply with sections 93120.3(d)(1), and 93120.3(d)(2) of the ATCM;

WHEREAS, the Executive Officer approves JELD-WEN's request for re-approval, and it is appropriate that Executive Order N-13-089A be superseded by this Executive Order N-15-089.

NOW, THEREFORE, IT IS ORDERED that JELD-WEN is hereby approved as a ULEF manufacturer of thin medium density fiberboard that is exempt from the requirements of section 93120.3(b) and Appendix 2 of section 93120.12 of the ATCM, provided that the following terms and conditions are met for products sold, supplied, offered for sale, or manufactured for sale in California;

1. JELD-WEN must use the commercial resin listed and supplier listed in section A of Confidential Attachment A and B of this Executive Order for the manufacture of ULEF thin medium density fiberboard products.

2. The chemical formulation of the base resin used for the manufacture of ULEF composite wood products by JELD-WEN must be within the ranges specified in section B of Confidential Attachment A of this Executive Order.

3. The application rate of the base resins used for the manufacture of ULEF composite wood products by JELD-WEN must be within the ranges specified in section C of Confidential Attachment A of this Executive Order.

4. Other chemical components of the base resins (such as sizing wax and release wax) used for the manufacture of ULEF composite wood products by JELD-WEN must be within the ranges specified in section D of Confidential Attachment A of this Executive Order.

5. The allowable operating parameters for press temperature and press time for the base resins used to manufacture the ULEF composite wood products by JELD-WEN must be within the ranges specified in section E of Confidential Attachment A of this Executive Order.

6. Only the composite wood products with the product names listed in section F of Confidential Attachment A of this Executive Order are authorized under this Executive Order.

BE IT FURTHER ORDERED that JELD-WEN may change the resin system supplier listed in section A of Confidential Attachment A of this Executive Order if the new resin supplier supplies the same resin type listed in Confidential Attachment A of this Executive Order, at least two primary or secondary method tests are performed on random samples selected by their ARB-approved third party certifier, and the Chief of the Emissions Assessment Branch of the Transportation and Toxics Division is notified before JELD-WEN uses the resin for production;

BE IT FURTHER ORDERED that JELD-WEN must conduct confirmatory testing for a new resin supplier by demonstrating that the results of two primary or secondary method tests for the new resin system supplier are no higher than 0.04 ppm for the ULEF products authorized under this Executive Order;

BE IT FURTHER ORDERED that this Executive Order shall have a duration of two years from the date this Executive Order is signed; the applicant may apply for re-approval as provided in section 93120.3(d)(5) of the ATCM.

BE IT FURTHER ORDERED that the applicant must maintain records in electronic or hard copy form for two years, for review by ARB upon request, as specified in section 93120.3(g) of the ATCM.

BE IT FURTHER ORDERED that the applicant must notify the Executive Officer in writing within 30 days if there is any change in their product manufacturing parameters or base resin manufacturer(s) or supplier(s) that does not comply with any of the requirements, terms or conditions specified in the ATCM or this Executive Order.

Executed at Sacramento, California this 30th day of April, 2015.

Daniel E. Donohoue

Daniel E. Donohoue, Chief
Emissions Assessment Branch
Transportation and Toxics Division