



Environmental Policy and Green Product Initiatives

Environmental Policy:

Flakeboard holds to certain basic values that tell us who we are, what we believe in and what we stand for. We take a progressive stand as an environmentally safe representative in the composite panel industry, demonstrating commitment to our customers while respecting the environment and communities in which we operate.

Environmental Certifications:

EPP



Environmentally Preferable Product (**EPP**), a preferred standard of the Composite Panel Association (**CPA**), ensures that manufactured products demonstrate environmentally friendly characteristics, and do not have negative impacts on human health and the surrounding environment.

This program adheres to one of the most stringent policies available for composite panels and aims to provide the highest levels of environmental stewardship in our industry.

Flakeboard is EPP certified to the accredited and internationally based Grademark Program which follows the International Organization for Standardization (ISO) Guide 65 for quality control programs. The principle requirement for EPP certification is compliance with the utilization of 100% recovered or recycled raw materials, and adherence to the California Air Resources Board (CARB) Composite Wood Formaldehyde Air Toxic Control Measure.

For further information, visit the CPA website: <http://www.pbmdf.com/AboutCPA/EPP.asp>

At this time, Flakeboard is playing an active role in promoting the newly developed Downstream EPP Certification Program by encouraging manufacturers to certify.





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CARB

In April 2007, the California Air Resources Board voted to implement limitations for formaldehyde emissions that will apply to composite panels including particleboard and medium density fiberboard (MDF). The regulation will be applied in two phases and will also affect the products that are manufactured from composite panels (such as cabinets, store fixtures, flooring, molding, millwork, etc.) that are sold, supplied, offered for sale, or manufactured for sale in California.



All Flakeboard mills are CARB Phase 1 certified.

The following mills are CARB Phase 2 Certified:

St. Stephen, NB – Fibrex®
Bennettsville, SC – Particleboard
Eugene, OR – MDF

Bennettsville, SC – MDF
Sault Ste. Marie, ON – MDF
Malvern, AR –MDF
Simsboro, LA - Particleboard

| Phase 1 and Phase 2 Formaldehyde Emission Standards for Hardwood Plywood (HWPW), Particleboard (PB), and Medium Density Fiberboard (MDF) ¹ | | | |
|---|--|----------|----------|
| Effective Date | Phase 1 (P1) and Phase 2 (P2) Emission Standards (ppm) | | |
| | PB | MDF | Thin MDF |
| January 1, 2009 | P1: 0.18 | P1: 0.21 | P1: 0.21 |
| January 1, 2011 | P2: 0.09 | P2: 0.11 | |
| January 1, 2012 | | | P2: 0.13 |

⁽¹⁾ Based on the primary test method [ASTM E 133-96(2002)] in parts per million (ppm).
HWPW-VC = veneer core; HWPW-CC = composite core.

Product information and CARB/ EPP certificates can be downloaded from the Specifications section of our website: www.flakeboard.com

FSC



The mark of responsible forestry
SW -COC-000444

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The Forest Stewardship Council is a globally-recognized, not-for-profit organization established to promote responsible management of the world's forests. Its CoC system follows FSC certified material through the manufacturing process from forest to consumer, and provides a union between responsible production and consumption. Products displaying the FSC label assure consumers that they are contributing to the ecological, social and economic needs of present and future generations.

The products manufactured at the following Flakeboard's plants are FSC certified:

Sault Ste. Marie, ON - MDF
Bennettsville, SC – MDF
Bennettsville, SC - PB
St. Stephen, NB – PB, MDF, Fibrex

Albany, OR – PB
Eugene, OR – MDF
Simsboro, LA - PB

To learn more about FSC, visit: <http://www.fsc.org/>

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LEED¹:

Flakeboard particleboard (PB) and medium density fiberboard (MDF) are manufactured to strict quality control standards with recycled and recovered wood fiber. These products may contribute towards specific credits under the US Green Building Council (USGBC) Leadership in Energy & Environmental Design (LEED) criteria.

INFORMATION FOR QUALIFYING CREDITS

| LEED CATEGORY ¹ | REQUIREMENTS | QUALIFYING PRODUCTS | AVAILABLE CREDITS |
|---|---|---|-------------------|
| MR 4. Materials & Resources: Recycled Content | Sum of post-consumer recycled content plus 1/2 of the pre-consumer recycled content constitutes at least 10% (1 point) or 20% (2 points) of materials in the project based on cost. | PB: Duraflake®, (incl. FR, MR and Duraflake® specialty products) Rezflake, UltraPine® (incl. specialty products), Mende, Rezflake, VESTA MDF: eLite™, EVO, VESTA, Premier®, (incl. FR, MR and Premier® specialty products) Superior & Superior Plus HDF: Fibrex® | 1 - 2 Points |
| MR 5. Materials & Resources: Regional Materials | Use of building materials that have been extracted, harvested or recovered, and manufactured within 500 miles of the project site; a minimum of 10% (1 point) or 20% (2 points), based on cost, of the total materials value. | PB: Duraflake®, (incl. FR, MR and Duraflake® specialty products) Rezflake, UltraPine®(incl. specialty products), Mende, VESTA MDF: eLite™, EVO, VESTA, Premier®, (incl. FR, MR and Premier® specialty products) Superior & Superior Plus HDF: Fibrex® | 1 - 2 Points |
| MR 7. Materials & Resources: Certified Wood | A minimum of 50% of wood-based products certified to the Forest Stewardship Council (FSC) for wood building components. | MDF: Premier®, EVO, VESTA (incl. specialty products) Superior MDF (from FSC plants listed) PB: UltraPine®, Duraflake and VESTA (incl. specialty products) HDF: Fibrex® | 1 Point |
| IEQ 4.4 Indoor Environmental Quality: Low Emitting Materials | Composite wood products must contain no added urea formaldehyde resins | PB: VESTA, – no added urea-formaldehyde resin particleboard MDF: VESTA – no added urea-formaldehyde resin MDF <i>Incl. TFM finished panels</i> HDF: Fibrex® VESTA | 1 Point |

¹Source: US Green Building Council LEED 2009 for New Construction v3:
www.usgbc.org

Kerry Little
Business Sustainability Manager
Ph. 506-465-2975
kerry.little@flakeboard.com