



# Potential LEED Points



KML thermally fuses resin saturated decorative paper onto particleboard or medium density fiberboard (MDF) and can provide potential credits for LEED when using the following products.

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**Boise Cascade – Evergreen Particleboard**

| <b>LEED v2009 Credits</b>  | <b>Boise Evergreen Advantages</b>   | <b>Potential Points</b> |
|--|---|-------------------------|
| IEQc4.4 – Low Emitting Materials – Composite Wood and Agrifiber Products | Meets requirements for Ultra-Low Emitting Formaldehyde (ULEF)   | 1                       |
| M Rc4 – 4.1, 4.2 Recycled Content  | ECO-Certified Composite Certified 100% recycled pre-consumer wood fiber   | 2                       |
| M Rc5 – 5.1, 5.2 Proximity of the Project                                | Manufactured in La Grande, OR; wood fiber is recovered near the manufacturing facility – may contribute to points based on proximity of project | 2                       |
| M Rc7 – Certified Wood   | Certified SFI Chain of Custody – PwC-SFICoC-203; must be specified at time of order   | 1                       |

| <b>LEED v4 for Homes Design and Construction Credits</b> | <b>Boise Evergreen Advantages</b>  | <b>Potential Points</b> |
|--|--|-------------------------|
| M Rc4 Option 1 – Local Production                        | Manufactured in La Grande, OR; wood fiber is recovered near the manufacturing facility – may contribute to points based on proximity of project. | 4                       |
| M Rc4 Option 2 – Environmentally Preferable Products     | Certified SFI Chain of Custody – PwC-SFICoC-203; must be specified at time of order  | 5                       |

| <b>LEED v4 for Building Design and Construction Credits</b> | <b>Boise Evergreen Advantages</b>   | <b>Potential Points</b> |
|---|---|-------------------------|
| M Rc5 Option 1 – Environmental Product Declaration          | A life cycle analysis of particleboard can be found at <a href="http://www.corrim.org">www.corrim.org</a> | 1                       |
| M Rc6 Option 2 – Leadership Extraction Practices            | Certified SFI Chain of Custody – PwC-SFICoC-203; must be specified at time of order                       | 1                       |

|                               |   |         |
|-------------------------------|---|---------|
| EQc5 – Low-Emitting Materials | Particleboard meets CARB ULEF emission requirements | unknown |
|-------------------------------|---|---------|



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

**Plummer Forest Products – EnStron Particleboard**

| LEED v4 Category          |                             | EnStron Qualification  |
|---------------------------|-----------------------------|--|
| Low Emitting Materials    |                             | All EnStron composite Board products are manufactured using No Added Formaldehyde (NAF) Resins. Our formaldehyde testing yields a value of 0.00 ppm, and our product is California Carb Exempt N-14-002. |
| Sourcing of Raw Materials | Recycled Content            | All EnStron Composite Board products are manufactured using 100% pre-consumer recycled wood fiber.   |
|                           | Regional Materials          | All wood fiber used to manufacture EnStron Composite Board products is harvested and collected within 252 miles from our plant site in Post Falls, Idaho.  |
|                           | FSC Certified Wood Products | All EnStron Composite Board products are available FSC Certified.  |

**Collins – Pine FreeForm Particleboard**

| <b>LEED HOME (Version 1.11a)</b> |   |                                |
|----------------------------------|---|--------------------------------|
| <b>Credit</b>                    | <b>Definition</b>   | <b>Points/Credit Available</b> |
| MR 3                             | Local Sources (within 500 miles) –<br>Manufactured in Klamath Falls, OR | x                              |
| MR 2.2                           | Environmentally Preferable Products (0.5<br>points each)                | 0.5                            |
| Cabinets                         | Recycled content; FSC certified   | X                              |
| Counters                         | Recycle content; no added UF  | X                              |
| Doors                            | FSC certified   | x                              |
| ID 1                             | Exceptional Performance (use 100% FSC wood<br>on project)               | x                              |
| Total LEED points:               |   | 3.5                            |

| <b>LEED New Construction (Rev 2.2 Draft)</b> |  |                                |
|--|--|--------------------------------|
| <b>Credit</b>                                | <b>Definition</b>  | <b>Points/Credit Available</b> |
| MR 4.1<br>& 4.2                              | Recycled Content   | x                              |
| MR 5.1<br>& 5.2                              | Regional Materials (within 500 miles) –<br>Manufactured in Klamath Falls, OR | x                              |
| MR 7   | Certified Wood   | X                              |
| IEQ 4.4                                      | Low Emitting Materials, Composite Wood                                       | x                              |
| ID 1   | Exceptional Performance (use 100% FSC wood<br>on project)                    | x                              |
| Total LEED points:                           |  | 5                              |



**Timber Products** – Encore, Encore HD, Encore MR50, Encore FR, APEX, APEX MR50, APEX FR, Ampine

| <b>Product</b> | <b>LEED v4 Credit Support</b> | <b>NAF</b> |
|----------------|-------------------------------|------------|
| Encore         | MRc 3, 4, 7<br>EQc 2          | X          |
| Encore HD      | MRc 3, 4, 7<br>EQc2           | X          |
| Encore MR50    | MRc 3, 4, 7<br>EQc 2          | X          |
| Encore FR      | MRc 3, 4, 7<br>EQc 2          | X          |
| APEX           | MRc 3, 4, 7<br>EQc 2          | X          |
| APEX MR50      | MRc 3, 4, 7<br>EQc 2          | X          |
| APEX FR        | MRc 3, 4, 7<br>EQc 2          | X          |
| Ampine         | MRc 3, 4, 7                   | X          |

**Roseburg | Sierra Pine – Medium Density Fiberboard (MDF)**

| <b>LEED 2009 Credit Support</b>                 |  |
|---|--|
| <b>MRc4 – Recycled Content</b>                  | Roseburg MRF products are third-party certified by SCS for recycled content. The certificate is available to download from <a href="http://www.roseburg.com">www.roseburg.com</a> .  |
|   | Arreis, Medite II, Medex, PermaCore, FibrLite, Medite (all types) <span style="float: right;">92% Pre-consumer recycled</span>   |
|   | Medite FR <span style="float: right;">82% Pre-consumer recycled</span>   |
| <b>MRc5 – Regionally Manufactured/Harvested</b> | Manufacturing Location:<br>2685 North Pacific Highway Medford, OR 97501  |
|   | Harvesting Location:<br>0-50 miles = 16%      Direction: North of Medford = 69%<br>51-150 miles = 52%      South of Medford = 33%<br>151-230 miles = 33%   |
| <b>MRc7 – Certified Wood</b>                    | Roseburg MDF can be purchased with the option FSC Mix Certification. FSC Mix is valued at 100% FSC for LEED MRc7. Since the product does not have chain of custody certification unless specified, you must request FSC prior to ordering. NOTE: Approved LEED documentation to support this credit does NOT include Roseburg’s FSC Certificate. You must provide the supplier’s invoice showing that the product purchased was FSC Certified and stating the FSC claim.<br><br>To verify the vailidity of Roseburg’s FSC Certification – FSC-C017580, visit <a href="http://info.fsc.org/certificate.php">http://info.fsc.org/certificate.php</a> |
| <b>IEQc4.4 – Low-Emitting Composite Wood</b>    | Roseburg’s line of Sustainable MDF products is third-party certified by SCS as a No Added Formaldehyde (NAF) product. The certificate is available to download at <a href="http://www.roseburg.com">www.roseburg.com</a> .   |

|  |   |
|--|---|
|  | Brands included in this certification: Arreis, Medite II, Medex, Medite FR, PermaCore |
|--|---|



**West Fraser – Ranger Board MDF & WestPine MDF**

| <b>LEED v4 Certification:<br/>New Construction and Major Renovations</b>  |                        |  |  |
|---|------------------------|--|--|
| <b>LEED Category</b>  | <b>Possible Points</b> | <b>Requirements</b>  | <b>Qualifying Product</b>              |
| <b>Materials and Resources: Credit MR114: Sourcing of Raw Material</b>  | 1 point                | The sum of post-consumer recycled content plus ½ constitutes at least 25% based on cost of the total value of the materials in the project.*                             | WestPine EcoGold<br><br>Ranger Premium |
| <b>Materials and Resources: Credit MR112: Environmental Product Declarations (EPD)</b>                                      | ½ point                | Use at least 20 different permanently installed products from at least 5 different manufacturers that have an industry wide (generic) Environmental Product Declaration. | WestPine EcoGold<br><br>Ranger Premium |
| <b>Materials and Resources: Credit EQ112: Low Emitting Materials</b>  | 2 points               | Composite wood products must meet CARB requirements for No-Added Formaldehyde (NAF) resins.  | WestPine EcoGold                       |
| *Note: Products sourced within 100 miles, or 160km, of the project site are valued at 200% of their base contributing cost. |                        |  |  |





**Arauco | Flakeboard – Duraflake VESTA ULEF & Ultra VESTA ULEF Particleboard**

Duraflake VESTA ULEF and Ultra VESTA ULEF are specialty particleboards manufactured using an ultra-low emitting formaldehyde (ULEF) resin system.

**LEED Qualifying Credits:**

- MR 4: Recycled Content 10%, 20%
- MR 5: Regional Materials 10%, 20%
- MR 7: Certified Wood
- IEQ 4.4 Low-emitting Materials



**Weyerhaeuser | Plum Creek – Glacier Green MDF**

Qualifies for LEED 2009 and LEED v4 under the LEED US Green Building Council Credit Support.



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

**Arclin – E-Gen**

**Ultra Low-Emitting Decorative Overlays for Thermally Fused Laminate (TFL): GREENGUARD for Children & Schools Certified** may contribute to LEED EQ Credit 4.4 for improved air quality. Available with FSC-certified papers, made in FSC chain of custody certified facilities.



**Wilsonart – Thermally Fused Laminate (TFL)**

LEED 2009 potential credits can be obtained in the New Construction & Major Renovations (NC) and Commercial Interiors (CI) categories for the following:

- MR 4 Recycled Content
- MR 5 Regional Materials
- MR 6 Rapidly Renewable Content
- MR 7 Certified Wood
- IEQ 4.4 Low-Emitting Materials