

# Environmental Data Sheet

## Engineered wood floor



### Description

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Engineered floors are made of a superior quality hardwood surface layer laid on top of a hard wood plywood, for a better stability when exposed to variations in humidity. Boards have micro-v joints on all 4 sides, ensuring a neat and seamless installation. This floor can be installed on all types of subfloors. Visit our website for the complete product offering. Protected by the high performance liv finish they offer a 35-year warranty for residential applications and a 5-year warranty for light commercial applications. Also offered with the ultimate performance livUP finish\*, they offer a 50-year warranty for residential applications, a 10-year warranty for light commercial applications and a 3-year warranty for commercial applications with direct outdoor access. All Mercier wood floors are Greenguard Gold certified, the highest environmental certification on the market.

\*With the exception of the Yellow Birch and American Walnut products, as well as Stellar, Element, PRO and City Life (Canada only) collections.

### Certificate of compliance

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#### GREENGUARD Gold Certification Criteria for Building Products and Interior Finishes

| Criteria                        | CAS Number | Maximum Allowable Predicted Concentration | Units             |
|---------------------------------|------------|-------------------------------------------|-------------------|
| TVOC                            | -          | 0.22                                      | mg/m <sup>3</sup> |
| Formaldehyde                    | 50-00-0    | 9 (7.3 ppb)                               | µg/m <sup>3</sup> |
| Total Aldehydes                 | -          | 0.043                                     | ppm               |
| 4-Phenylcyclohexene             | 4994-16-5  | 6.5                                       | µg/m <sup>3</sup> |
| Particle Matter less than 10 µm | -          | 20                                        | µg/m <sup>3</sup> |
| 1-Methyl-2-pyrrolidinone        | 872-50-4   | 160                                       | µg/m <sup>3</sup> |
| Individual VOCs                 | -          | 1/2 CREL or 1/100th TLV                   | -                 |

**Characteristics**


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|                    |                                                                     |
|--------------------|---------------------------------------------------------------------|
| <b>Species</b>     | Red Oak, Hard Maple, Hickory, White Oak, White Ash, American Walnut |
| <b>Thicknesses</b> | 1/2" (12.7 mm) and 3/4" (19 mm)                                     |
| <b>Profiling</b>   | Micro-V joints on 4 sides                                           |

|                                             |                                                                                                                                                                                                            |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Widths</b><br>(depending on the species) | 1/2" x 5" (12.7 mm x 127 mm)<br>3/4" x 5" (19 mm x 127 mm)<br>1/2" x 6 1/2" (12.7 mm x 165 mm)<br>3/4" x 6 1/2" (19 mm x 165 mm)<br>1/2" x 7 1/2" (12.7 mm x 190.5 mm)<br>3/4" x 7 1/2" (19 mm x 190.5 mm) |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Recycled content**


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| Final product                                                                                             | Weight ratio | Pre-consumer | Post-consumer |
|-----------------------------------------------------------------------------------------------------------|--------------|--------------|---------------|
| Factory prefinished Engineered floorboards 1/2" (*4 mm) and 3/4" (*4 mm) *Thickness of hardwood top layer | 100%         | 0%           | 0%            |

**Sourcing of raw materials**


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| Weight ratio | Final manufacturing location |
|--------------|------------------------------|
| 100%         | Montmagny, QC G5V 4T1 CANADA |

| Component       | Weight ratio  |               | Extraction location                                                                                                                                                                         | Transportation |
|-----------------|---------------|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
|                 | 1/2" (4 mm)   | 3/4" (4mm)    |                                                                                                                                                                                             |                |
| <b>Plywood</b>  | 61.6% - 66.5% | 74.2 – 78.2%  | n/a                                                                                                                                                                                         | n/a            |
| <b>Hardwood</b> | 32.4% - 37.6% | 21.1% - 25.1% | Canada (Quebec and Ontario) and United States (Connecticut, Maine, Massachusetts, Michigan, Mississippi, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Rhode Island and Vermont) | Road           |
| <b>Adhesive</b> | <0.1%         | <0.1%         | n/a                                                                                                                                                                                         | n/a            |
| <b>Finish</b>   | <0.1%         | <0.1%         | n/a                                                                                                                                                                                         | n/a            |

The source of extraction or location of raw materials has been documented from 20.4% to 37.6% of final product weight.

Raw materials extraction zones



**1. Hardwood Harvest Location**  
(Details available upon request)

**Canada:** Quebec and Ontario

**United States:** Connecticut, Maine, Massachusetts, Michigan, Mississippi, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Rhode Island and Vermont.

**2. Source of plywood**

The plywood extraction locations could not be documented

### Technical performances

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|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Performance tests</b>                               | Tests conducted by Mercier Wood Flooring, Inc according to applicable ASTM standards.<br>Source: Mercier Wood Flooring, Inc.                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Warranty</b>                                        | <p><b>Mercier liv finish</b><br/>           35-year warranty for residential applications<br/>           5-year warranty for light commercial applications<br/>           Structural lifetime warranty</p> <p><b>Mercier livUP finish</b><br/>           50-year warranty for residential applications<br/>           10-year warranty for light commercial applications<br/>           3-year warranty for commercial applications with direct outdoor access<br/>           Structural lifetime warranty</p> |
| <b>Manufacturer's environmental management program</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

|                                  |                                                                                                                                                                                                               |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Manufacturer's commitment</b> | We are committed to sourcing wood only from environmentally responsible suppliers. All the species we use come from sustainably managed North American forests and adhere to rigorous traceability standards. |
|                                  | We reinsert 100% of our residues back into the company to heat our factory. All our products are packaged using recycled and recyclable packaging.                                                            |

### Compliant with the standard method of the California Department of Public Health (CDPH)



**Greenguard Gold Certification**

| Certification agency | Certification number | Species*   |
|----------------------|----------------------|------------|
| UL Environement      | 15724-420            | Hard Maple |
| UL Environement      | 15716-420            | Red Oak    |
| UL Environement      | 102656-420           | Hickory    |
| UL Environement      | 15732-420            | White Oak  |

\*Greenguard Gold certification available for all other species and colors.

### Product contribution summary

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**LEED® v4 requirements for Building Design + Construction (BD+C):** New construction and Major Renovation, Core and Shell, School, Retail, Data Centers, Warehouse and Distribution Centers, Hospitality and Healthcare

**LEED® v4 requirements for Interior Design + Construction (ID+C):** Commercial Interiors, Retail and Hospitality

| Material and Ressources             |                                                                                                                                                           | Product Contributions        |                                                                                                                                                                               |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MR                                  | Building Product Disclosure and Optimization – Material Ingredients                                                                                       | Contribute                   | Ingredients and Emissions                                                                                                                                                     |
| <b>Indoor Environmental Quality</b> |                                                                                                                                                           | <b>Product Contributions</b> |                                                                                                                                                                               |
| EQ                                  | <b>Low-Emitting Materials</b><br>Option 1: Product Category calculation (1-3 points)<br>For the flooring category 100% of flooring meet the requirements. | Contribute                   | <b>Ingredients and Emissions</b><br>Engineered floorboards have been tested according with the standard method of the California Department of Public Health (CDPH) v1.2-2017 |

**LEED® v4 requirements for homes:** Applies to single family homes, multi-family (one to three stories), or multi-family (four to six stories). Includes homes and multi-family low-rise and multi-family mid-rise.

| Material and Ressources             |                                                                                                                              | Product Contributions        |                                                                                                                                                                               |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MR*                                 | Certified Tropical Wood                                                                                                      | Contribute                   | Attributes                                                                                                                                                                    |
| prerequisite                        |                                                                                                                              |                              | Engineered floorboards are available with non-tropical wood species.                                                                                                          |
| <b>Indoor Environmental Quality</b> |                                                                                                                              | <b>Product Contributions</b> |                                                                                                                                                                               |
| EQ                                  | <b>Low-Emitting Products</b> (0.5-3 points)<br>At least 90% of all materials in each category must meet credit requirements. | Contribute                   | <b>Ingredients and Emissions</b><br>Engineered floorboards have been tested according with the standard method of the California Department of Public Health (CDPH) v1.2-2017 |

It is important to consider that the total of possible points reflects the number of achievable points in each credit category. The product itself cannot achieve this score, as defined above, but is considered as a beneficial element in order to obtain LEED® credits.