



## Environmental Statement

Many consumers today wish to understand the impact their wide plank flooring selection will have on their internal and external environments. Carlisle is happy to provide wood flooring solutions that are gentle on the planet and which can contribute to a healthier interior environment.

We can provide the following information to address common questions and concerns:

- It is not necessary for Carlisle unfinished or prefinished solid wood floors to be certified for CARB2, this applies only to engineered wood floors.
- The Volatile Organic Compound (“VOC”) levels are not applicable for Carlisle prefinished wood floors. Once cured, our prefinished wood floors contain no measureable VOC’s.
- No urea formaldehyde is added during the manufacturing process.
- Carlisle 5/8” and 3/4” thick engineered wide plank floors are CARB2 compliant for formaldehyde emissions, which indicates that a product must have .05 ppm to meet guidelines. Carlisle floors have a rating of less than 0.008 ppm.

### CARB COMPLIANCE TESTING

TEST METHOD: ASTM D6007-14

Conducted by HPVA Laboratories, Reston, VA

Conducted: January 19, 2016



The following findings have been reported:

*The Test Results Indicate a Value of BLQ*

*BLQ stands for "Below Limit of Quantitation."*

*The Limit of Quantitation is the lowest result to which this lab is able to accurately report, which in this case is 0.008 ppm. BLQ therefore means "less than 0.008 ppm".*

## LEED Certification



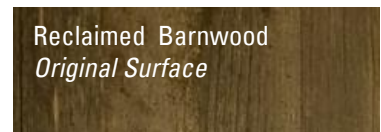
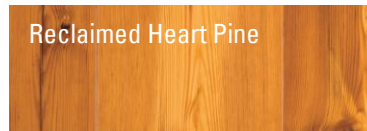
The US Green Building Council (USGBC) has adopted the Leadership in Energy and Environmental Design (LEED) rating system which provides guidelines for creating environmentally friendly structures.

Carlisle Wide Plank Floors offers wood flooring solutions that comply with, and contribute toward, LEED Certification for residential and commercial spaces.

See accompanying information for a brief introduction to the products available from Carlisle and a general summary of how they might comply with LEED criteria. This document should be used as a guide only. Contact USGBC for complete details, and to confirm all rules, regulations, and point potential for all products you intend to use.

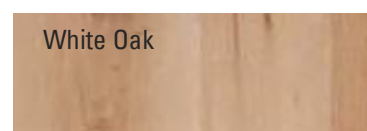
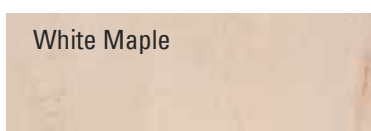
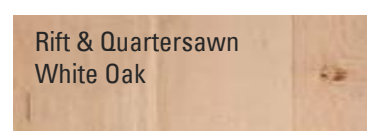
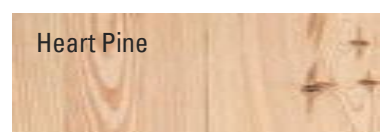
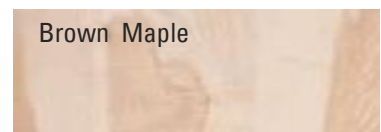
### Reclaimed Wood Flooring Available

Available in Solid, Unfinished Construction



### Newly Sawn Wood Available

Solid, Engineered, Unfinished and Prefinished Styles Available



## LEEDv4: HOME DESIGN AND CONSTRUCTION

LEED BD+C Homes & Multifamily Lowrise  
LEED BD+C Multifamily Midrise

**MR CREDIT: Environmentally Preferable Products, Option 2, Use products that meet one or more of the following criteria (0.5 points each). At least 90% of each compliant building component (listed in Table 2), by weight or volume, must meet one of the requirements below. A single component that meets more than one criterion does not earn additional credit.**

<b>CRITERIA</b>	The product contains at least 25% reclaimed material, including salvaged, refurbished or reused materials.
<b>ELIGIBLE PRODUCT(S)</b>	Includes: Oak, Long Leaf Heart Pine, Chestnut, Milled Barnwood, Original Surface Barnwood, Grandpa's Floor
<b>POTENTIAL CREDIT</b>	.5 points

**EQ CREDIT: Low Emitting Products. In the interior of the home, use products that have been tested and found compliant with the California Department of Public Health Standard Method v1 1-2010, using CA section 01350, Appendix B, New Single Family Residence Scenario, for missions testing guidance. At least 90% of a component must meet the requirements to earn credit.**

<b>CRITERIA</b>	For flooring, meet the requirements of CA Section 01350
<b>ELIGIBLE PRODUCT(S)</b>	Carlisle 5/8" and 1/2" thick engineered wide plank floors are CARB2 compliant for formaldehyde emissions, which indicates that a product must have .05 ppm to meet guidelines. Carlisle floors have a rating of less than 0.008 ppm. Formaldehyde emissions do not apply to Carlisle solid wood floors. VOC levels are not applicable to Carlisle prefinished wood floors because once cured, the flooring contains no measureable VOC's, the curing process takes place during the manufacturing process.
<b>POTENTIAL CREDIT</b>	.5 points

For site-applied interior paints and coatings, meet the requirements of CA Section 01350

<b>CRITERIA</b>	100 - 250 g/l VOC content - Stains (Varies by Type)
<b>ELIGIBLE PRODUCT(S)</b>	Carlisle Stains, VOC content 60 g/L
<b>POTENTIAL CREDIT</b>	.5 points

<b>CRITERIA</b>	For site-applied adhesives and sealants, meet the requirements of CA Section 01350 Wood Flooring Adhesives Must meet		
	400 g/l - Sealers (including Clear Wood Sealers)	275 - 450 g/l - Varnishes (Varies by Location)	100 g/l - Adhesives
<b>ELIGIBLE PRODUCT(S)</b>	<b>Carlisle Traditional Finish - Clear</b> Available in Satin, Matte, Extra Matte	<b>Carlisle High Resin Tung Oil Finish</b> <b>Carlisle Traditional Finish - Amber</b> Available in Satin, Matte, Extra Matte	Carlisle can recommend adhesives for wood flooring installation which meet LEED v4 VOC guidelines.
<b>POTENTIAL CREDIT</b>	.5 points		

## LEEDv4: BUILDING DESIGN AND CONSTRUCTION

LEED BD+C : New Construction (Multifamily-Midrise)  
LEED BD+C: Core and Shell  
LEED BD+C : Schools  
LEED BD+C : Retail

LEED BD+C : Data Centers  
LEED BD+C : Warehouses & Distribution Centers  
LEED BD+C : Hospitality  
LEED BD+C : Healthcare

**EQ CREDIT: LOW-EMITTING MATERIALS:** Achieve the threshold level of compliance with emissions and content standards for the number of product categories listed in Table 2 or Budget Calculation Method in Table 3.

**CRITERIA** *Inherently nonemitting sources.* Products that are inherently nonemitting sources of VOCs (stone, ceramic, powder-coated metals, plated or anodized metal, glass, concrete, clay brick, and unfinished or untreated solid wood flooring) are considered fully compliant without any VOC emissions testing if they do not include integral organic-based surface coatings, binders, or sealants.

**ELIGIBLE PRODUCT(S)** Carlisle has 5/8" and 3/4" thick solid unfinished and untreated wood flooring to comply with this requirement.

VOC levels are not applicable to Carlisle prefinished wood floors because once cured, the flooring contains no measureable VOC's, the curing process takes place during the manufacturing process.

**CRITERIA** *General emissions evaluation.* Building products must be tested and determined compliant in accordance with California Department of Public Health (CDPH) Standard Method v1.1–2010, using the applicable exposure scenario. The default scenario is the private office scenario. The manufacturer's or third-party certification must state the exposure scenario used to determine compliance. Claims of compliance for wet-applied products must state the amount applied in mass per surface area.

**ELIGIBLE PRODUCT(S)** Carlisle Stains, VOC content 60 g/L

**CRITERIA** *Additional VOC content requirements for wet-applied products.* In addition to meeting the general requirements for VOC emissions (above), on-site wet-applied products must not contain excessive levels of VOCs, for the health of the installers and other tradesworkers who are exposed to these products. To demonstrate compliance, a product or layer must meet the following requirements, as applicable. Disclosure of VOC content must be made by the manufacturer. Any testing must follow the test method specified in the applicable regulation.

All adhesives and sealants wet-applied on site must meet the applicable chemical content requirements of SCAQMD Rule 1168, July 1, 2005, Adhesive and Sealant Applications, as analyzed by the methods specified in Rule 1168. The provisions of SCAQMD Rule 1168 do not apply to adhesives and sealants subject to state or federal consumer product VOC regulations.

	400 g/l - Sealers (including Clear Wood Sealers)	275 - 450 g/l - Varnishes (Varies by Location)	100 g/l - Adhesives
<b>ELIGIBLE PRODUCT(S)</b>	<b>Carlisle Traditional Finish - Clear</b> Available in Satin, Matte, Extra Matte	<b>Carlisle High Resin Tung Oil Finish</b> <b>Carlisle Traditional Finish - Amber</b> Available in Satin, Matte, Extra Matte	Carlisle can recommend adhesives for wood flooring installation which meet LEED v4 VOC guidelines.

**CRITERIA** *Composite Wood Evaluation.* Composite wood, as defined by the California Air Resources Board, Airborne Toxic Measure to Reduce Formaldehyde Emissions from Composite Wood Products Regulation, must be documented to have low formaldehyde emissions that meet the California Air Resources Board ATCM for formaldehyde requirements for ultra-low-emitting formaldehyde (ULEF) resins or no added formaldehyde resins.

**ELIGIBLE PRODUCT(S)** Carlisle engineered wood flooring is CARB2 compliant, documentation available upon request.

**POTENTIAL CREDIT** 1-3 Depending on Number of Compliant Categories

## LEED v4 INTERIOR DESIGN AND CONSTRUCTION

LEED ID+C: Commercial Interiors

LEED ID+C: Retail

LEED ID+C: Hospitality

**EQ CREDIT: LOW-EMITTING MATERIALS:** Achieve the threshold level of compliance with emissions and content standards for the number of product categories listed in Table 2 or Budget Calculation Method in Table 3.

<b>CRITERIA</b>	<i>Inherently nonemitting sources.</i> Products that are inherently nonemitting sources of VOCs (stone, ceramic, powder-coated metals, plated or anodized metal, glass, concrete, clay brick, and unfinished or untreated solid wood flooring) are considered fully compliant without any VOC emissions testing if they do not include integral organic-based surface coatings, binders, or sealants.		
<b>ELIGIBLE PRODUCT(S)</b>	Carlisle has 5/8" and 3/4" thick solid unfinished and untreated wood flooring to comply with this requirement.		
<b>ELIGIBLE PRODUCT(S)</b>	VOC levels are not applicable to Carlisle prefinished wood floors because once cured, the flooring contains no measureable VOC's, the curing process takes place during the manufacturing process.		
<b>CRITERIA</b>	<i>General emissions evaluation.</i> Building products must be tested and determined compliant in accordance with California Department of Public Health (CDPH) Standard Method v1.1–2010, using the applicable exposure scenario. The default scenario is the private office scenario. The manufacturer's or third-party certification must state the exposure scenario used to determine compliance. Claims of compliance for wet-applied products must state the amount applied in mass per surface area.		
<b>ELIGIBLE PRODUCT(S)</b>	Carlisle Stains, VOC content 60 g/L		
<b>CRITERIA</b>	<i>Additional VOC content requirements for wet-applied products.</i> In addition to meeting the general requirements for VOC emissions (above), on-site wet-applied products must not contain excessive levels of VOCs, for the health of the installers and other tradesworkers who are exposed to these products. To demonstrate compliance, a product or layer must meet the following requirements, as applicable. Disclosure of VOC content must be made by the manufacturer. Any testing must follow the test method specified in the applicable regulation.		
<b>CRITERIA</b>	All adhesives and sealants wet-applied on site must meet the applicable chemical content requirements of SCAQMD Rule 1168, July 1, 2005, Adhesive and Sealant Applications, as analyzed by the methods specified in Rule 1168. The provisions of SCAQMD Rule 1168 do not apply to adhesives and sealants subject to state or federal consumer product VOC regulations.		
<b>ELIGIBLE PRODUCT(S)</b>	400 g/l - Sealers (including Clear Wood Sealers)	275 - 450 g/l - Varnishes (Varies by Location)	100 g/l - Adhesives
<b>ELIGIBLE PRODUCT(S)</b>	<b>Carlisle Traditional Finish - Clear</b> Available in Satin, Matte, Extra Matte	<b>Carlisle High Resin Tung Oil Finish</b> <b>Carlisle Traditional Finish - Amber</b> Available in Satin, Matte, Extra Matte	Carlisle can recommend adhesives for wood flooring installation which meet LEED v4 VOC guidelines.
<b>CRITERIA</b>	<i>Composite Wood Evaluation.</i> Composite wood, as defined by the California Air Resources Board, Airborne Toxic Measure to Reduce Formaldehyde Emissions from Composite Wood Products Regulation, must be documented to have low formaldehyde emissions that meet the California Air Resources Board ATCM for formaldehyde requirements for ultra-low-emitting formaldehyde (ULEF) resins or no added formaldehyde resins.		
<b>ELIGIBLE PRODUCT(S)</b>	Carlisle engineered wood flooring is CARB2 compliant, documentation available upon request.		
<b>POTENTIAL CREDIT</b>	1-3 Depending on Number of Compliant Categories		

## LEED v2009 COMMERCIAL INTERIORS

**MR CREDIT: MATERIALS REUSE:** To reuse building materials and products to reduce demand for virgin materials and reduce waste, thereby lessening impacts associated with the extraction and processing of virgin resources. .

*Use salvaged, refurbished or reused materials, the sum of which constitutes at least 5% or 10%, based on cost, of building ( construction) materials, excluding furniture and furnishings  
The minimum percentage materials reused for each point threshold is as follows:*

**CRITERIA**

Reused Materials Points  
5% 1 Point  
10% 2 Points

**ELIGIBLE PRODUCT(S)**

Carlisle reclaimed wood flooring.

**POTENTIAL CREDIT** 1-2 on Percentage

**MR CREDIT: RECYCLED CONTENT:** To increase demand for building products that incorporate recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials.

*Use materials, including furniture and furnishings, with recycled content<sup>1</sup> such that the sum of postconsumer recycled content plus 1/2 of the preconsumer<sup>3</sup> content constitutes at least 10% or 20% based on cost of the total value of the materials in the project. The minimum percentage materials recycled for each point threshold is as follows:*

**CRITERIA**

Recycled Content Points  
10% 1 Point  
20% 2 Points

**ELIGIBLE PRODUCT(S)**

Carlisle reclaimed wood flooring.

**POTENTIAL CREDIT** 1-2 Depending on Percentage

**IE Q Credit 4.1: Low-Emitting Materials—Adhesives and Sealants:** To reduce the quantity of indoor air contaminants that are odorous, potentially irritating and/or harmful to the comfort and well-being of installers and occupants.

**OPTION 1 (1 point)**

*Use a minimum of 20% of the combined value of construction and Division 12 (Furniture) materials and products that are manufactured<sup>1</sup> regionally within a radius of 500 miles.*

*OR*

**OPTION 2 (2 points)**

*Meet the requirements for Option 1.*

*Use a minimum of 10% of the combined value of construction and Division 12 (furniture) materials and products extracted, harvested or recovered, as well as manufactured, within 500 miles of the project.*

**CRITERIA**

**ELIGIBLE PRODUCT(S)**

Varies depending on project location. .

**POTENTIAL CREDIT** 1-2 Depending on Calculation Method Used (Product Category or Budget Calculation)

Continued....

## LEED v2009 COMMERCIAL INTERIORS

**IEQ 4.1: Low-Emitting Materials: Adhesives & Sealants : To reduce the quantity of indoor air contaminants that are odorous, potentially irritating and/or harmful to the comfort and well-being of installers and occupants.**

*All adhesives and sealants used on the interior of the building (i.e. inside of the weatherproofing system and applied on-site) must comply with the requirements as applicable to the project scope.*

### CRITERIA

*Wood flooring Adhesives VOC Limit = 100 g/l*

Carlisle can recommend wood flooring adhesives which meet, or exceed VOC limits. Products include:

<b>ELIGIBLE PRODUCT(S)</b>		
PL PREMIUM	22 h/l	
Wakol	Zero VOC	
Bostiks Best	Zero VOC to 83 g/l*	
SIKA	Zero VOC to 83 g/l*	

**POTENTIAL CREDIT 1**

**IEQ Credit 4.2: Low-Emitting Materials—Paints and Coatings : To reduce the quantity of indoor air contaminants that are odorous, irritating and/or harmful to the comfort and well-being of installers and occupants.**

*Paints and coatings used on the interior of the building (i.e. inside the weatherproofing system and applied on-site) must comply with the following criteria as applicable to the project scope1:*

### CRITERIA

- Clear wood finishes, floor coatings, stains, primers, and shellacs applied to interior elements: must not exceed the VOC content limits established in South Coast Air Quality Management District (SCAQMD) Rule 1113, Architectural Coatings, effective January 1, 2004.

#### MAXIMUM VOC CONTENT

- Stains = 100 g/l
- Finish = 275 g/l

Carlisle stains, site finishes and Carlisle Custom Coat prefinished flooring

<b>ELIGIBLE PRODUCT(S)</b>		
Carlisle Stains	60 g/l	
Carlisle Clear (Site finish)	250 g/l	
Carlisle Amber finish (site finish)	250 g/l	
Carlisle Custom Coat (prefinish)	Zero VOC	
Carlisle Tung Oil Finish (site finish)	275 g/l	

**POTENTIAL CREDIT 1**