

## Kährs - Potential LEED Contributions

Credit	LEED 2009	Points	Credit	LEED v4	Points
	<i>New Construction and Major Renovations</i>			<i>Building Design and Construction</i>	
				<a href="#">Points Link</a>	
<b>MR 4</b>	<b>Recycled Content</b>	1 to 2 points			
<b>MR 5.2</b>	<b>Regional Materials</b>	1 to 2 points	<b>MR cr 2</b>	<b>Building Product Disclosure: Environmental Product Declarations</b>	1-2 points
	Products produced within 500 miles/800 kilometers of installation.			FloorScore Certified Products -USGBC approved program – Products that comply with other USGBC approved environmental product declaration frameworks.	
<b>MR 7</b>	<b>Certified Wood</b>	1 point	<b>MR cr 3</b>	<b>Building Product Disclosure: Sourcing of Raw Material</b>	1-2 points
	FSC: See FSC running line products FSC: Special order on +100 oak products			Option I: all Products EMAS Report Third-party verified corporate sustainability reports (CSR) which include environmental impacts of extraction operations and activities associated with the manufacturer’s product and the product’s supply chain, are valued as one whole product for credit achievement calculation. Kährs EMAS-Sustainability Report	
				Option II: FSC Products Wood products. Wood products must be certified by the Forest Stewardship Council or USGBC-approved equivalent. Products meeting wood products criteria are valued at 100% of their cost for the purposes of credit achievement calculation. Kährs license code FSC® C019122	
<b>IEQ 4.3</b>	<b>Low Emitting Materials</b>	1 point	<b>MR cr 4</b>	<b>Building Product Disclosure: Material Ingredients</b>	1-2 points
	Floorscore: all 7, 13, 15, 30 mm products			Floorscore Certification: All 7, 13, 15, 30 mm products	
<b>IEQ 4.4</b>	<b>Composite Wood - NAUF</b>	1 point	<b>IEQ cr 2</b>	<b>Low-Emitting Materials*</b>	1-3 points
	NAUF: available special order, certain restrictions apply, no added urea formaldehyde			FloorScore Certified Products (Tested to CDPH 01350 Standards)	

**\*All of the existing IEQc4 – Low-Emitting Material credits have been rolled into one credit – Low-Emitting Interiors.** Projects can now earn points for selecting building products that meet the thresholds of compliance with VOC emissions (how much the product off-gases over 14 days) and VOC content standards (manufacturers must disclose the VOC content of the product). The building products are organized into seven categories: including flooring; composite wood; Products must comply with the VOC emissions test method per the California Department of Public Health (CDPH) Standard Method v1.1-2010. Examples of programs that comply with this standard include California Section 01350 and FloorScore.

Under the new LEED v4 EQ Credit: Low-Emitting Materials, **all layers of a flooring system must be compliant with the CDPH Standard Method** in order for a building project to earn credit. For resilient and other hard surface flooring, this means that underlayment products and adhesives also must be tested for VOC emissions. Although FloorScore and other certification programs are not specifically mentioned in the new LEED v4 credit language, FloorScore certification remains a compliance pathway because it utilizes the CDPH Standard Method.

### LEED v4

**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**. For projects outside the U.S., composite wood must be documented not to exceed a concentration limit of 0.05 ppm of formaldehyde (0.06 mg/m<sup>2</sup>-h when expressed as emission rate) as tested following either EN-717-1:2004, following ISO 16000-3: 2010, ISO 16000-6: 2011, ISO 16000-9: 2006, ISO 16000-11:2006, or following CEN/TS 16516: 2013 either in conjunction with **AgBB** or with Belgian or French legislation on VOC emission class labeling.