

**LEED v4 Material Resources (MR)  
MRc1.4 Building Life-Cycle Impact Reduction for ASC Steel Deck**

**Structural Floor and Roof Deck, Product Types**

*Specification of ASC Steel Deck products included in the scope, by facility.*

ASC Steel Deck		
Product Type	West Sacramento, CA Facility	Fontana, CA Facility
	Steel thickness in Gauge (Ga)	
1 1/2" Type B Deck	18-22 Ga*	18-22 Ga
3" Type N Deck	18-22 Ga*	18-22 Ga
2" Type 2W Deck	18-22 Ga*	-
3" Type 3W Deck	18-22 Ga*	18-22 Ga
7/8" Roof and Form Deck	-	18-22 Ga
4 1/2", 6", and 7 1/2" Deep Roof Deck	18-22 Ga*	18-22 Ga

\*Applies to cellular and Acustadek® (welded or riveted) version of product

**Applicable Credits:**

**MRc1.4 OPTION 4. Whole-Building Life-Cycle Assessment (LCA) (3 points):** This credit requires a life-cycle assessment of the project’s structure and enclosure that demonstrates a minimum of 10% reduction, compared with a baseline building, in at least three of six defined impact categories. The information provided in ASC Steel Deck’s Environmental Product Declaration (EPD) can be used in an LCA model to assess the impact of our products; alternatively, the LCA model may approach the use of structural steel deck as a generic material category.

While every project is unique, the durability and spanning capabilities of structural steel deck will likely have a positive impact on an LCA. Contact ASC Steel Deck for assistance with specific requirements for your project’s LCA.

**Notable Reference:**

(Option 4) Whole-Building Life Cycle Assessment, is for new construction:

Life-Cycle Assessment (LCA), as it applies to buildings pursuing LEED, involves creating an inventory of the environmental impact associated with building materials’ manufacture, transportation, use, and disposal.

- The LEED requirement for new construction is to conduct a life-cycle assessment of the project’s structure and enclosure that demonstrates a minimum of 10% reduction, compared with a baseline building, in at least three of six defined impact categories, one of which must be global warming potential.