



LEED® v4 2019 for Building Design and Construction

Credits possible with
NCFI InsulStar® Light
12-008 Spray Foam System

Credit Reference and Description	InsulStar® Light Spray Polyurethane Insulation Contribution
Energy & Atmosphere (EA)	
<p>EA Prerequisite: Minimum Energy Performance: To establish the minimum level of energy efficiency for the proposed building and systems to reduce environmental and economic impacts associated with excessive energy use.</p> <p>EA Optimize Energy Performance</p>	<ul style="list-style-type: none"> • InsulStar Light makes it easy to accomplish the prerequisite with insulation applications as it provides R-values and air seals any geometric shape eliminating heat (energy) bypassing the thermal boundary resulting in a highly energy efficient insulation membrane. • InsulStar Light is seamless and fully adhered. It tends to be more “efficient” under a variety of environmental factors than other insulations. • Contributes significantly to controlling air infiltration. • Air impermeable insulation; therefore effective R value not reduced by wind washing or air infiltration or exfiltration
Material and Resources (MR)	
<p>MR Credit: Building Life Cycle Impact Reduction</p> <p>MR Credit: Building Product Disclosure and Optimization</p> <p>MR Credit: Construction and Demolition Waste Management</p>	<ul style="list-style-type: none"> • Option 4 Whole-Building Life-Cycle Assessment; NCFI is recognized participant in Industry wide LCA • Option 1 or 2 Environmental Product Declaration NCFI is recognized participant in Industry wide EPD • Option 1 or 2 NCFI SPF is a liquid delivered to the job site in 55-gallon drums, which are returned for recycling after the liquid is sprayed, therefore 100% of the packaging is recycled and eliminated from the waste stream. For every set of SPF sprayed on a job 76 pounds of packaging is returned to the recycling system.

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Indoor Environmental Quality (EQ)	
<p>EQ Credit: Enhanced Indoor Air Quality Strategies</p> <p>EQ Credit: Low Emitting Materials</p> <p>EQ Credit: Thermal Comfort-Design</p>	<p>Option 2 Additional Enhanced IAQ Quality Strategies—D</p> <ul style="list-style-type: none"> • Option 1 or 2: Product Category Calculations: Thermal Insulation InsulStar Light is certified as Low VOC insulation, per California Department of Public Health CDPH/EHLB/ Standard Method Version 1.2, 2017 for School Classroom, Private Office and Single-family Residences • InsulStar Light easily seals the building envelope to permit mechanical controls to be effective with uniform temperatures and air movements
Innovation & Design Process	
<p>IN: Innovation in Design</p>	<ul style="list-style-type: none"> • InsulStar Light can be installed as continuous insulation on all walls with added insulation R-value above prescriptive requirements providing exception energy efficiency beyond code mandated levels. • InsulStar Light can perform on any geometric shape for air and heat control, thereby allowing designers to be creative with their designs to build the shape while still providing the energy and environmental efficiency for today's world.

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