

LEED® CREDITS

Possible LEED Credit Contribution
Moxie Surfaces® design composite® products

Sustainable Sites:

SS Credit 7.1 Heat Island Effect- Non-roof 1 point: use devices or structures with a solar reflective index (SRI) of at least 29. design composite Translucent Canopies and Walkway covers used in hard scape areas and parking lots can help meet this requirement.

SS Credit 7.2 Heat Island Effect - Roof 1 point: reduce the impact of heat islands on the local environment. design composite panels have an emissivity rating that can help meet this requirement.

SS Credit 8 Light Pollution Reduction 1 point: minimize light pollution; reduce glare and light effects on the local environment. design composite panels diffusing characteristics prevent direct-beam illumination from leaving the interior of the building.

Energy & Atmosphere:

EA Prerequisite 2 Minimum Energy Performance Required for LEED certification: improve a buildings performance by 10% for new buildings and schools and 5% for Core & Shell projects. design composite panels are highly insulated, diffused light transmitting products. With good insulating values, conductive winter heat loss is minimized and the low solar heat gain coefficient (SHGC) of design-Composite panels significantly reduces summer heat gain which helps a project meet this fundamental LEED requirement.

EA Credit 1 Optimize Energy Performance 1-19 points: increase energy efficiency for the entire building. design composite translucent day lighting panels present the greatest advantage to the designer, delivering up-front savings due to reduced HVAC system requirements.

Materials and Resources:

MR Credit 1.1 Building Reuse – Maintain Existing Walls, Floors & Roof 1-3 points: save and reuse existing materials while cutting the impact of new buildings on the environment. Aluminum glazing systems allow reuse of existing framing. Panel systems can also be placed over existing glazing to provide increased energy performance, aesthetics and weather tightness.

MR Credit 2 Construction Materials Waste Management 1 - 2 pts: implement a construction waste management plan and recycle or salvage at least 50% or 75% of material. All shipping components and packaging are always recyclable, diverting construction waste from land-fills. Our fabricators reduce the amount of materials needed on site.

MR Credit 4 Recycled Content 1-2 points: use materials with recycled content. 10% or 20% post-consumer + 50% pre-consumer: design composite glazing systems help satisfy this requirement in that the glazing includes approximately 40 to 45% pre-consumer / industrial recycled content and the aluminum framing systems typically used to support design composite panels includes approximately 45 to 50% pre consumer / post industrial recycled content as well as 6% post consumer recycled content. Stainless steel hardware systems have approximately 25% post consumer recycled content. Steel systems have approximately 20% post consumer recycled content.

MR Credit 5 Regional Materials 1-2 points: reduce the environmental effects from transporting building materials from manufacturers to building sites. design composite systems are typically manufactured within the 500 mile radius of the project site. Our raw panels are produced and typically fabricated in nearby fabricator/contractor facilities. Your contractor will know when this credit can be applied.

(continued)



Moxie Surfaces is the Strategic North American Partner and Distributor for design composite exterior and interior translucent polycarbonate panels.



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Indoor Environmental Quality:

IEQ Credit 2 Increased Ventilation 1 point: provide additional ventilation beyond minimum outdoor air delivery requirements for improved air quality and comfort. design composite wall panels can be designed with integrated awnings, hoppers, and casement windows for ventilation to help achieve this credit.

IEQ Credit 4.1 Low-Emitting Materials Adhesives & Sealants 1 point: reduce the presence of harmful and ill-scented air contaminants. VOC must meet SCAQMD Rule 1168 for new Construction or CA Dept. of Health Services Standard Practice for Testing of Volatile Organic Emissions from Various Sources Using Small Scale Environmental Chambers, Including 2004 Addenda for schools. design composite systems are dry glazed, eliminating the need for primary sealants with VOC emissions typically used for weatherability, which will help achieve this credit. It should be known that all adhesives / sealants that are used in product post production meet this LEED requirement (e.g. Weld On).

IEQ Credit 6.2 Controllability of Systems – Thermal Comfort 1 point: provide internal temperature controls or operable windows for at least 50% of the occupants. design composite wall systems can be designed with awnings, hoppers, and casement windows for fresh air ventilation.

IEQ Credit 7.1 Thermal Comfort - Design 1 point: provide thermal comfort for all occupants. Designs incorporating design composite glazing panels will provide the highest light transmission while maintaining the best possible U-Values for true thermal comfort.

IEQ Credit 8.1 Daylight and Views – Daylight 1-3 points: provide day lighting to 75% of regularly occupied spaces. Receive extra point for providing day lighting to 90% of regularly occupied spaces. (25-500 foot candles of daylight). design composite translucent panels provide the highest diffusing properties, transmitting diffused daylight in a range of 180° from the horizontal glazing surface.

Innovation in Design:

ID Credit 1 Innovation in Design 1-5 points: reward project teams for exemplary performance by exceeding the requirements of specific credits. Reward project teams for innovation in designs for categories not specifically addressed in the rating system. Use of design composite systems can help a project achieve exemplary performance for extra LEED points. All design composite glazing and shading system design may help achieve Innovation in Design credits.



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