POLYCOAT PRODUCTS
A Division of American Polymers Corp.

Polycoat Products and the line of Coating and Waterproofing products are engineered to be Eco-Friendly and can contribute to LEED project certification.

Polycoat Products are all high solids, low volatile organic compound (VOC) emitting materials. Most products are low odor and meet USDA requirements for use in food processing and food serving areas. We continually look for ways to improve the carbon footprint of our products and activities. As an example, we designed Polycoat PC-550SC that uses water as the curing agent. This eliminates the use of hazardous chemicals and minimizes the transportation of the curing products. We even consider the environment in the way we package our products. We pre-measure our system components so that additional mixing containers are not required. This eliminates more metal and plastic waste that needs to be disposed.

Shown below is the Green Building Guide that shows the potential points that may be earned for LEED certification. Please contact Polycoat Products for specific product and system certification letters.

Polycoat Products Green Building Guide				
Requirement	**Potential Points Earned**	**Intent**	**Applicable Strategies**	**Applicable Polycoat Products**
US Green Building Council, LEED 2009 & LEED v4 (All prerequisites and credits apply to LEED 2009 & LEED v4, except those which are in blue which apply only to LEED v4)				
SS Credit 2: Development Density and Community	5 4 (schools)	To channel development to urban areas with existing infrastructure, protect greenfields, and preserve habitat and natural resources	Compatibility with Traditional Building Materials: Polycoat Products are ideally suited for redevelopment and restoration projects involving abandoned or underused commercial and industrial facilities.	All Polycoat Products
SS Credit 7.1 Heat Island Effect – Roof	1	Reduce heat islands to minimize impacts on microclimates and human and wildlife habitats.	Radiative Properties: Coat concrete substrates exposed to the sky with a coating that when cured, has a Solar Reflectance Index (SRI) of at least 29 (flat surfaces and low-sloped roof decks).	POLY-I-GARD 295 White/Tan/M Grey (others may comply upon testing)
EA Prerequisite 2: Minimum Energy Performance	Required	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.	Energy Performance: Weatherproofing the building envelope using joint sealants and air, vapor retarding and water-resistive coatings will help project teams comply with building/energy codes and baseline building standards with respect to energy use as well as be able to model decreased energy use over time leading to appropriately sized HVAC equipment and lower utility bills.	All Polycoat Products
EA Credit 1: Optimize Energy Performance	1-19	To achieve increasing levels of energy performance beyond the prerequisite standard (EA p2) to reduce environmental and economic impacts associated with excessive energy use.		
MR Credit 1.1: Building Reuse – Maintain Existing Walls, Floors and Roof	1-3	To extend the lifecycle of existing building stock, conserve resources, retain cultural resources, reduce waste and reduce environmental impacts of new buildings as they relate to materials manufacturing and transport.	Compatibility with Traditional Building Materials: Polycoat products are ideally suited for application to existing brick, stone, concrete, plaster/ gypsum, metal, glass and other construction materials.	All Polycoat Products
MR Credit 1.2: Building Reuse – Maintain Interior Nonstructural Elements	1			
IEQ Prerequisite 2: Environmental Tobacco Smoke (ETS) Control (Design Phase Submittal)	Required	To prevent or minimize exposure of building occupants, interior surfaces and ventilation air distribution systems to environmental tobacco smoke. (Note: In schools, eliminate exposures to ETS).	Compartmentalization: In multi-family residential, hospitality, casino and other buildings in which both smoking and non-smoking occupancies are permitted, seal penetrations in walls, floors, ceilings and vertical chases to prevent passage of ETS from unit to unit or from smoking to non-smoking room.	All joint sealants

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IEQ Prerequisite 3: Minimum Acoustical Performance	Required for LEED for Schools	To provide classrooms so teachers can speak to the class without straining their voices, and students can effectively communicate with each other and the teacher..	Sealing Pathways: Together with other sound reduction measures, seal joints, penetrations, cracks and other pathways through which sound waves can travel between adjacent classrooms, corridors, assembly spaces, equipment rooms and the outdoors.	All Joint Sealants
IEQ Credit 4.1: Low-Emitting Materials – Adhesives and Sealants	1	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.	Low VOC Content: Polycoat Product sealants and coatings contain low VOC levels and are in compliance with South Coast Air Quality Management District (SCAQMD) Rule #1168 and Rule #1113. Low VOC Emissions: Polycoat Products is embarking on testing commonly used interior sealants for compliance with VOC emissions (off-gassing) per CADPH Standard Method v1.1-2010 (California Specification 01350).	Joint Sealants, Deck Coatings
IEQ Credit 5: Indoor Chemical and Pollutant Source Control	1	To minimize building occupant exposure to potentially hazardous particulates and chemical pollutants.	Sealing Pathways: Sealing joints, penetrations, cracks and other pathways from hazardous spaces including chemical storage rooms, laboratories, and copy/print/ fax rooms.	Joint Sealants, Deck Coatings
IEQ Credit 10: Mold Prevention	1 (LEED for Schools)	To reduce the potential presence of mold in schools through preventative design and construction measures.	Moisture Control: Four critical conditions for mold growth include available mold spores, food source, appropriate temperatures and adequate moisture. All of the conditions for mold growth are present in the indoor environment. Prevention of indoor mold growth cannot be achieved without proper moisture control. Therefore, design the building envelope to exclude bulk water, excessive water vapor and uncontrolled air movement. Mold prevention measures include sealing open pathways through which water, water vapor, air and mold spores can travel as well as applying a water-resistive, vapor retarding and air barrier over opaque areas of the building façade.	All joint Sealants, Deck Coatings
ID Credit 1: Innovation in Design (Path 1)	1	To provide teams opportunity to achieve exceptional performance above the requirements set by LEED.	Radon Protection: Sealing joints, penetrations, cracks and other pathways in subterranean substrates to reduce exposure to radon gas and other soil gas contaminants.	PolyPrime FMB

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US Green Building Council, LEED 2009 & LEED v4 (All prerequisites and credits apply to LEED 2009 & LEED v4, except those which are in yellow which apply only to LEED v4)				
ID Credit 2: LEED Accredited Professional	1	To support and encourage the design integration required by LEED to streamline the application and certification process.	Polycoat Products employs a LEED Accredited Professional.	Technical service during the design and construction phases
RP Credit 1: Regional Priority	1–4	To provide an incentive for the achievement of credits that address geographically-specific environmental priorities.	Earn up to 4 additional points for earning the above credits as applicable to the specific project location. A database of Regional Priority credits and their geographic applicability is available on the USGBC website, http://www.usgbc.org	All Polycoat Products
Green Building Initiative, Green Globes for New Construction, Version 1.3				
Criterion 3.1.2.3: Building Materials and Building Envelope	1	The building envelope will be weather-tight and permitted to dry before installation of interior walls, wood floors, ceilings, or HVAC systems.	Weatherproofing the building envelope using joint sealants and air, vapor retarding and water-resistive coatings in conjunction with installation of fenestration systems and other construction will ensure a dry, weather-tight building envelope.	All Joint Sealants, Deck Coatings
Criterion 3.2.1.1: Urban Infill and Urban Sprawl	5	Is the building being constructed on a previously developed site served by existing utilities for at least one full year before construction?	Compatibility with Traditional Building Materials: Polycoat Products are ideally suited for urban infill and development projects involving abandoned, underused or existing commercial and industrial facilities.	All Polycoat Products
Criterion 3.2.2.4: Heat Island Effect	2, 4 or 6	What percentage by area of the roof is vegetated, and/or has a high Solar Reflectance Index (SRI) as prescribed based on the slope of the roof?	Radiative Properties: Coat concrete substrates exposed to the sky with a coating that when cured, has a Solar Reflectance Index (SRI) of at least 29 (flat surfaces and low-sloped roof decks).	Polycoat White/Tan/M Grey topcoats (others may comply upon testing
Criterion 3.3.1: Energy Performance	0 to 150	Green Globes provides four paths for assessing energy performance as compared to peer, base or reference building standards.	Energy Performance: Weatherproofing the building envelope using joint sealants and air, vapor retarding and water-resistive coatings will help project teams comply with building/ energy codes and base building standards with respect to energy use.	All Joint Sealants, Deck Coatings
Criterion 3.5.3: Reuse of Existing Structures	0 to 18	What percentage of the façade, structural systems (e.g. interior walls) and non-structural elements (ceilings, interior partitions and/or demountable walls) from an existing building on the site is retained and incorporated in the new design?	Compatibility with Traditional Building Materials: Polycoat Products are ideally suited. for application to existing brick, stone, concrete, plaster/ gypsum, metal, glass and other construction materials.	All Polycoat Products
Criterion 3.7.2.1: Volatile Organic Compounds	2.5	Compliance of adhesives and sealants with prescribed levels of VOCs and/or be certified by a third-party agency.	Low VOC Content: Polycoat Products coatings contain low VOC levels and are in compliance with South Coast Air Quality Management District (SCAQMD) Rule #1168.	Deck Coatings
International Living Future Institute, Living Building Challenge 3.0				
Imperative 08: Health Interior Environment	Required	CDPH v1.1-2010 Documents: A list of all interior building products that have the potential to emit Volatile Organic Compounds (VOCs) and supporting documentation demonstrating each product's compliance with CDPH v1.1-2010 or equivalent standard.	Low VOC Emissions: Polycoat Products is embarking on testing commonly used interior sealants for compliance with VOC emissions (off-gassing) per CADPH Standard Method v1.1-2010 (California Specification 01350).	
Imperative 10: Red List	Required	Confirmation of no red list chemicals present in product formulation and VOC content data.	Red List Chemical Free Products: Several Polycoat Products have been confirmed to be red list chemical free. Upon request, Polycoat Products will determine whether any red list chemicals are present in a particular product and issue a letter.	

1. Please be aware that this document is a guide developed independent of the organizations listed above and their respective certification programs, and is not a guarantee of points being awarded to the project. Specific design and variables are the responsibility of the project design team.