

Tech-Crete Insulated Panel Products

Possible LEED® CANADA Points

For New Construction and Major Renovations 2009 (NC)
For Core and Shell Development 2009 (CS)

		CFI® WALL PANELS	CTI® ROOF PANELS	SRI® ROOF PANELS	
SS Credit 7.1: Heat Island Effect: Non-Roof Case 2	NC	-	-	1	Intent: To reduce heat island to minimize impact on microclimates and human and wildlife habitats. Product Compatibility: For CASE 2 Projects, where non-roof area is less than 5% of the total area site, meet SS Credit 7.2 and SS Credit 2.
	CS	-	-	1	
SS Credit 7.2: Heat Island Effect: Roof	NC	-	-	1	Intent: To reduce heat island to minimize impact on microclimates and human and wildlife habitats. Product Compatibility: Tech-Crete SRI® Roof Panels, used in a protected-membrane roof, provide a thermal barrier plus solar reflectance to minimize heat island effect. Tech-Crete SRI® Roof Panels exceed the LEED® minimum reflectance requirement and are rated by the Cool Roof Rating Council.
	CS	-	-	1	
E A Credit 1: Optimize Energy Performance	NC	1-19	1-19	1-19	Intent: To achieve increasing levels of energy performance beyond the prerequisite standard to reduce environmental and economic impacts associated with excessive energy use. Product Compatibility: Tech-Crete insulated panels can help to achieve increasing levels of energy performance beyond the prerequisite standard.
	CS	3-21	3-21	3-21	
MR Credit 1.1 Building Reuse: Maintain Existing Walls Floors and Roof	NC	1-3	1-3	1-3	Intent: To extend the life cycle of existing building stock, conserve resources, retain cultural resources, reduce waste and reduce environmental impact of new buildings as they relate to materials manufacturing and transport. Product Compatibility: Tech-Crete insulated roof and wall panels can be used to retrofit and protect existing building elements, while also upgrading insulation to help in achieving increased levels of energy performance.
	CS	1-5	1-5	1-5	
MR Credit 2: Construction Waste Management	NC	1-2	1-2	1-2	Intent: To divert construction and demolition debris from disposal in landfills and incineration facilities. Redirect recyclable recovered resources back to the manufacturing process and redirect reusable materials to appropriate sites. Product Compatibility: Tech-Crete insulated panels all come with minimal packaging. In addition, trimmed pieces, or damaged panels, can be used as thermal barriers for additional frost protection or to achieve minimum cover requirements over buried service lines, rather than being discarded.
	CS	1-2	1-2	1-2	
MR Credit 3: Materials Reuse	NC	1-2	1-2	1-2	Intent: To reuse building materials and products in order to reduce demand for virgin materials and reduce waste, thereby lessening impacts associated with the renovation and building reuse. Product Compatibility: Tech-Crete insulated panels can be reused in expansion, renovation and building reuse.
	CS	1	1	1	

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MR Credit 5: Regional Materials	NC	1-2	1-2	1-2	Intent: To increase demand for building materials and products extracted, processed, and manufactured within the region, thereby supporting the use of indigenous resources and reducing the environmental impacts resulting from transportation. Product Compatibility: Tech-Crete insulated panel products meet the minimum 30% by weight of regional materials for manufacturing. An 800 Km(500mi) radius from the manufacturing site includes all central and southern BC and Alberta, and some western communities in Saskatchewan.
	CS	1-2	1-2	1-2	
IEQ Credit 7.1: Thermal Comfort: Design	NC	1	1	1	Intent: To provide a comfortable thermal environment that promotes occupant productivity and well-being. Product Compatibility: Tech-Crete insulated panels effectively insulate and control moisture, especially that caused by dew point condensation.
	CS	1	1	1	
ID Credit 1: Innovation in Design	NC	1-5	1-5	1-5	Intent: To provide design teams and projects the opportunity to achieve exceptional performance above the requirements set by this rating system and/or innovative performance in Green Building categories not specifically addressed by this rating system. Product Compatibility: Tech-Crete insulated panels provide designers with the opportunity to achieve exceptional performance in energy conservation.
	CS	1-5	1-5	1-5	
RP Credit 1: Durable Building	NC	1	1	1	Intent: To minimize materials use and construction waste over a building's life resulting from inappropriate material selection or premature failure of the building and its constituent components and assemblies. Product Compatibility: Tech-Crete insulated panels provide effective, long term protection against premature deterioration or failure of the roof membrane, and protect foundation and wall elements from freeze-thaw deterioration.
	CS	1	1	1	
RP Credit 2: Regional Priority Credit	NC	1-3	1-3	1-3	Intent: To provide incentive for the achievement of credits that address geographically-specific environmental priorities. Product Compatibility: Tech-Crete SRI® roof panels reduce heat island effect which is a major concern in large urban areas. Tech-Crete CTI® and SRI® roof panels will protect roof membranes in areas of high incidence of hail, bird droppings, and other environmental forms of membrane degradation. Tech-Crete CFI® wall panels can be effectively used to control the dew point in exterior foundations and walls, especially beneficial in areas of high humidity.
	CS	1-3	1-3	1-3	
Total Points Possible	NC	9-38	9-38	11-40	
	CS	11-41	11-41	13-43	

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