

LEED 2009 Potential Points Summary

When Using EnduroSolv® Solid Water Treatment Chemicals

LEED NC, LEED Core & Shell LEED for Schools	LEED EB O&M	Points	LEED Category	Comments
SUSTAINABLE SITES				
Cr 6.1	Cr 6	1-2	Storm Water Design – Quantity Control	EnduroSolv® products can be used in programs using storm water runoff for Cooling Tower Makeup.
WATER EFFICIENCY				
Cr 3		1	Water Use Reduction Exemplary Point	EnduroSolv® products yield “process” water savings - including for purposes of LEED credit, water used in cooling towers, boilers and chillers - contributing to an exemplary point for water use reduction if total savings reach 45%.
	Cr 4.1	1	Cooling Tower Water Mgmt – Chem. Treatments	EnduroSolv® products are chemical water treatments for cooling tower water management.
	Cr 4.2	1	Cooling Tower Water Mgmt – Non-Potable Water Sources	EnduroSolv® products can effectively treat non-potable water sources such as cooling condensate and captured rainwater for cooling tower makeup water use.
ENERGY & ATMOSPHERE				
Prereq 2	Prereq 2	Req	Minimum Energy Performance	EnduroSolv® products help increase HVAC efficiency in systems using boilers, cooling towers or closed loop systems.
Cr 1	Cr 1	1-19	Optimize Energy Performance	EnduroSolv® products help increase HVAC efficiency in systems using boilers, cooling towers or closed loop systems.
	Cr 3.1		Performance Measurement – Building Automation Systems	EnduroSolv® water treatment equipment is designed to be integrated into Building Automation Systems to monitor HVAC performance.



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MATERIALS & RESOURCES				
	Prereq 1	Req.	Sustainable Purchasing Policy	EnduroSolv® products may be considered sustainable ongoing consumables because they are manufactured using the EPA 12 Principles of Green Chemistry. Compared to liquid water treatment chemicals, EnduroSolv products use less sodium hydroxide, a caustic chemical, in their production. EnduroSolv packaging is recyclable.
	Cr 1	1	Sustainable Purchasing – Ongoing Consumables	EnduroSolv® products may be considered sustainable ongoing consumables because they are manufactured using the EPA 12 Principles of Green Chemistry. Compared to liquid water treatment chemicals, EnduroSolv products use less sodium hydroxide, a caustic chemical, in their production. EnduroSolv packaging is recyclable.
	Cr 7	1	Solid Waste Management	EnduroSolv® products' packaging is recyclable.
INDOOR ENVIRONMENTAL QUALITY				
Cr 5		1	Indoor Chemical and Pollutant Source Control	EnduroSolv® non-biocide products make it easier to achieve this credit because their solid form emits no harmful vapors, and they do not need to be stored in partitioned or hard-ceilinged area, or required dedicated exhaust ventilation.
INNOVATION IN DESIGN/OPERATIONS				
Cr 1	Cr 1	1	Innovation in Design (NC, CS, Schools) Innovation in Operations (EB: O&M)	EnduroSolv® solid water treatment chemicals may qualify for an Innovation Credit because they offer significant environmental benefits compared to conventional liquid water treatment. 1. Since no water is shipped as part of the product, each 44 lb. box of EnduroSolv® product saves 2.6 gallons of diesel fuel, compared to an equivalent liquid chemical treatment shipped in a 500 lb. 55 gallon drum. Significant annual savings for the building can be calculated and expressed as gallons saved, or vehicles removed from the roads, or tons of carbon footprint reduction.



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				<p>2. EnduroSolv® products use less sodium hydroxide, a caustic chemical, in their production, compared to liquid water treatment chemicals.</p> <p>3. Since EnduroSolv® chemicals are in solid form, there is no risk of chemical spills, posing a slip and fall risk for occupants or the risk of an environmental spill.</p> <p>4. EnduroSolv® products save water and eliminate chemicals entering the waste water stream because there is no EPA requirement to triple-wash empty containers, as there is with 55 gallon drums.</p> <p>5. Empty EnduroSolv® containers are recyclable.</p> <p>Please contact APTECH Group, manufacturers of EnduroSolv® products, for more detailed information on drafting an Innovation Credit.</p>
REGIONAL PRIORITY				
Cr 1	Cr 1	1	Regional Priority	<p>EnduroSolv® products support the following LEED credits, which are also counted as Regional Priority credits, depending on the Region:</p> <p>LEED 2009 NC, CS and LEED for Schools Sustainable Sites Cr. 6.1, Storm Water Design – Quantity Control Water Efficiency Cr. 3, Water Use Reduction Energy & Atmosphere Cr. 1, Optimize Energy Performance</p> <p>LEED 2009 Existing Buildings Operations & Maintenance Sustainable Sites Cr. 6, Storm Water Quantity Control Water Efficiency Cr. 4.2, Cooling Tower – Non-Potable Water Use Energy & Atmosphere Cr. 1, Optimize Energy Performance Materials & Resources Cr. 1, Sustainable Purchasing – Ongoing Consumables</p>

