

LEED Profile: AdvanTex[®] Treatment Systems



Background The Leadership in Energy and Environmental Design (LEED) Green Building Certification (GBC) for new building and major renovation is an important accreditation for today's environmentally aware engineers, designers and builders. With increasing interest in environmental sustainability and efficiency, more builders and renovators are seeking LEED Certification for their projects. Orenco's AdvanTex[®] Treatment Systems can help you gain LEED GBC.

Product Orenco's AdvanTex AX20 and AX100 Treatment Systems are compact, pre-packaged products for onsite treatment of wastewater to very high ("advanced") treatment levels.

Sustainable Sites SS Prerequisite 1: Construction Activity Pollution Prevention: AdvanTex Treatment System pods are smaller than many wastewater filtration systems, requiring minimal digging to install. This lessens soil disturbance and reduces soil erosion and dust.

SS Credit 5.2: Maximize Open Space: When combined with a neighborhood collection system, AdvanTex Treatment Systems enable developers to cluster homes more closely together than is possible with typical septic systems. This allows for a high ratio of open space to development footprint, which promotes biodiversity.

Water Efficiency WE Credits 1.1 and 1.2: Water Efficient Landscaping: Subsurface irrigation using treated effluent from an AdvanTex Treatment System can reduce the use of potable water for irrigation.

WE Credit 2: Innovative Wastewater Technologies: An AdvanTex Treatment System with onsite soil dispersal helps recharge the local aquifer. After tertiary treatment, water from an AdvanTex Treatment System can be reused, saving potable water for other beneficial uses.

Energy & Atmosphere EA Credit 1: Optimized Energy Performance: Pumps that circulate effluent to AdvanTex Treatment Systems rarely exceed 1/2 hp and run for just minutes per day, using far less energy than grinder pumps and aerobic blowers.

Innovation & Design ID Credit 1-1.4: Innovation in Design: AdvanTex Treatment Systems can be a key feature in designs exceeding performance standards set by the LEED for New Construction Green Building Rating System, and also in areas of innovative performance not specifically addressed by LEED.

Company Orenco Systems[®], Inc. has been designing, manufacturing, and distributing leading-edge wastewater equipment since 1981. Most of the company's nearly 300 employees work out of a 23-acre (9 ha) headquarters site in Sutherlin, Oregon that includes sales, manufacturing, engineering, and research facilities. More than 100 distributors sell Orenco's product lines throughout the U.S., Canada, New Zealand, Australia, and Europe. For more information, go to www.orenco.com.

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