

dukane | precast

Dukane Precast Taking The LEED....



Dukane Precast Makes It Easy Being GREEN

Our LEED-Accredited Professionals can help guide your team through the entire project, from site acquisition to interior finish selection through the LEED process.

With one of the nations' leader in precast concrete innovations on your side, you'll feel confident knowing every choice has been thoroughly researched to meet your sustainability needs and maximize return of investment.

More and more owners are deciding to provide higher levels of sustainable construction in their buildings. Much of this attention is spurred by the Leadership in Energy & Environmental Design (LEED) standards created by the US Green Building Council (USGBC), as well as by the growing attention to climate change and the desire to lower the consumption of energy and materials. To reach these goals, local designers are often turning to Dukane Precast building system components that provide a number of "green" advantages.

Dukane Precast components can help owners to reach as many as 29 of the 40 points needed to achieve LEED certification.

Besides water, concrete is the most used material on earth. Its is nontoxic and environmentally safe. Precast concrete is beneficial because it is made from nature materials.

Standard LEED Precast Contributions:

- Projects within a 500 mile radius from Dukane plants
- Fly Ash Powder: Waste product of the Coal industry
- Recycled steel
- Slag Aggregate Cement: Waste product of the Steel industry vs. conventional aggregate
- Silica Fume: Byproduct of producing silicon metal or ferrosilicon alloys

A few additional LEED Contributions offered only by Dukane Precast through innovation & design....

- Bio-based caster or soybean oil insulation vs. fossil fuel
- Dukane Double Wall product line can eliminate material (and cost) to a project
- Radiant Tube Heating: Works along with Geo-thermo systems

Recent LEED Dukane Precast Showcase Project:

North Central College—Naperville, IL Residential Hall and Recreation Center with indoor track. 229 room dormitory wrapped around a 62,000 SF indoor field house with NCAA-regulation 200 meter track. Designed for LEED Silver Certification.

Why Precast Selected:

- Speed of delivery, erected 1,334 precast pieces in 8 months
- Machine form finish on interior side (Eliminates material/cost)
- Ability to obtain LEED certification
- Life safety aspects; tornado shelter
- Sustainable structure and aesthetically pleasing
- Limited financial resource, precast less expensive



Photos of North Central College—
Naperville, Illinois



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