

Anemostat[®]
A MESTEK COMPANY

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USGBC AND LEED PROGRAM

TECHNICAL BULLETIN

Anemostat continues to support the use of sustainable building products and the development of creative solutions to today's challenges in indoor air quality and building environment. The original "Anemostat" was a device designed to improve the space condition, providing a healthy and comfortable environment. The tradition continues today.

The Leadership in Energy and Environmental Design (LEED) Green Building Rating System™ is the nationally accepted benchmark for the design, construction and operation of high performance green buildings, those projects that are environmentally responsible, profitable and a healthy place to work. LEED qualified projects are increasing as a percentage of commercial construction projects. Owners, Architects, Engineers and Contractors view "GREEN" construction as a concept that continues to grow in acceptance and design.

Numerous Anemostat Products can assist a building project in obtaining LEED™ points in the Green Building Rating System. Below are some suggestions as to how use of Anemostat Products may qualify a project with respect to various sections of LEED-NC.

Please contact us to discuss your particular design concerns .

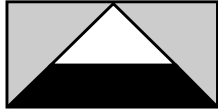
Energy & Atmosphere

- Optimize Energy Performance
Reduce energy cost compared to ASHRAE 90.1 – 1999 Energy Cost Budget Method (Section 11)
ECM motors on Fan Terminals
Variable Air Volume Systems
Install continuous metering equipment for end users
Constant and Variable volume terminals with airflow measuring via the Velocity Wing™ Sensor
Retrofit measuring station (RF-7) with Velocity Wing™ Sensor

Material & Resources

- Use a minimum of 20 % of building materials and products manufactured within 500 miles.
Anemostat products are manufactured in Wrens, GA. or Carson, CA.
- Extend the life cycle of existing building stock, conserve resources, reduce waste and reduce environmental impacts of new buildings. If project is a renovation points are awarded on basis of maintaining existing walls, floors and roofs.

VAV Retrofit Products
Air Distribution Products, Grille, Registers and Diffusers



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Indoor Environmental Quality

- Building complies with ASHRAE 62-1999 and 62-2001)
*Many Anemostat products are available with double wall construction, foil faced, elastomeric closed cell foam, or fiberglass insulation with a 4lb. density liner.
Water based , glue used to secure insulation to unit walls*
- Provide for the effective delivery and mixing of fresh air to support the safety, comfort and well being of building occupants. Additional guidelines: Air change Effectiveness (EAC) greater than or equal to 0.9 per ASHRAE 129-1997; comply with ASHRAE 2001 Fundamentals; Chapter 32(Space Air Diffusion).
*Model DU dual duct VAV terminals
Flow measuring on supply and exhaust VAV terminals with retrofit measuring station.
Variety of air distribution devices with high rate of air change capability*
- Reduce the quantity of indoor air contaminants that are odorous, potentially irritating and/or harmful to the comfort and well being of installers and occupants . Specify low VOC paints and coatings.
*Powder coat painted products
Water base adhesives
Closed cell foam insulation
Foil Insulation*
- Provide controls for each individual for airflow, temperature and lighting for at least 50% of the occupants in non-perimeter regularly occupied areas.
*VAV diffusers
Zone control through VAV systems*
- Thermal Comfort, Compliance with ASHRAE 55-1992, addenda 1995 for thermal comfort standards including humidity control within established ranges per climate zone.
*Air Distribution Products which can be selected utilizing ADPI
Zone Control through use of VAV Systems*

Innovation & Design Process

- For exceptional performance above LEEDS requirements, or innovative performance in Green Building categories not addressed by the LEED Rating System. Items that are quantifiable and have an impact on either health or environmental issues.
*A tradition of innovation in product design and application.
A willingness to push boundaries and effect change*

“Anemostat....the first name in air diffusion”