



Building & Industry

NOVENCOR

SCHAKO Group



Energy efficient ZerAx® fans
Contribute to BREEAM certification

How NOVENCO contributes to BREEAM certification

Clear documentation from Rambøll shows how NOVENCO® fans support BREEAM-certified design.

Green impact

NOVENCO's highly efficient ZerAx® fans contribute positively to LEED certification. In collaboration with leading Danish engineering consultancy Rambøll, we have documented how our products can help constructors and contractors achieve additional LEED credits.

The table on the next page shows the LEED credits across three categories where NOVENCO products can make an impact, indicating total possible credits per category and the potential contribution of ZerAx fans for each building type. Credits represent potential influence and are not guaranteed by the fan alone.

Energy in focus

ZerAx fans significantly influence building energy performance. The EC+ concept, developed with Danfoss, addresses the demand for energy-efficient solutions.

With overall efficiencies of up to 85%, the EC+ solution ranks among the most efficient and cost-effective options on the market. It optimizes HVAC systems, reducing energy use in both new and existing installations, while lowering CO₂ emissions and environmental impact.

These benefits make EC+ solutions an effective choice for enhancing energy efficiency in ventilation systems, benefiting both building operators and the environment.

Credit overview

The table below shows the BREEAM credits in six categories where NOVENCO® ZerAx® fans can help earn credits.

| BREEAM criteria | Description |
|--|---|
| | Management |
| MAN 02 Life Cycle Cost and Service Life Planning | The credit is given for ensuring the building's design and operation consider long-term costs and durability, showing that choices of design, materials, and systems optimize total cost of ownership, maintainability, and lifespan. |
| MAN 04 Commissioning and Handover | The credit is given for ensuring the building's systems are designed, installed, and tested to operate as intended, with effective handover to the owner or facilities team, supporting optimized performance, reduced operational issues, and efficient long-term management. |
| | Health and wellbeing |
| HEA 02 Indoor Air Quality | The credit is given for providing a healthy indoor environment by ensuring adequate ventilation and controlling pollutants, minimizing exposure to harmful substances, and maintaining good air quality to support occupant health, comfort, and productivity. |
| HEA 04 Thermal Comfort | The credit is given for ensuring a comfortable indoor thermal environment by designing and controlling heating, cooling, and ventilation systems to maintain acceptable temperatures, enhancing occupant comfort, productivity, and well-being. |
| HEA 05 Acoustic Performance | The credit is given for ensuring a suitable acoustic environment by controlling external and internal noise and minimizing sound transmission between spaces, supporting occupant comfort, concentration, and well-being. |
| | Energy |
| ENE 01 Energy Efficiency and Reduction | The credit is given for designing and implementing energy-efficient systems, building fabric, and controls, and for monitoring and managing energy use to reduce operational carbon emissions and support sustainable building performance. |
| | Materials |
| MAT 01 Life Cycle Impacts | The credit is given for minimizing the environmental impact of building materials over their life cycle by selecting low-carbon, responsibly sourced materials and applying strategies that reduce resource depletion and environmental harm, supporting sustainable and circular construction. |
| MAT 03 Responsible Sourcing of Construction Products | The credit is given for promoting responsibly sourced construction products by selecting materials with verified certifications or chain-of-custody schemes, ensuring socially and environmentally responsible extraction, processing, and supply, supporting ethical and sustainable construction. |
| MAT 06 Material Efficiency | The credit is given for minimizing environmental impact from materials by reducing waste and optimizing resource efficiency through standardized components, adaptable design, reuse, and effective construction waste management, supporting sustainability and cost-effective building practices. |
| | Waste |
| WST 01 Construction Waste Management | The credit is given for reducing the environmental impact of construction and demolition waste by planning, monitoring, and implementing strategies to minimize landfill disposal, maximize recycling and reuse, and ensure responsible waste management, supporting sustainable and circular construction. |
| | Pollution |
| POL 05 Reduction of Noise Pollution | The credit is given for minimizing the building's noise impact on its surroundings by designing, specifying, and managing systems and external works to reduce noise, protecting communities and wildlife while ensuring functionality and regulatory compliance. |



Are you a BREEAM assessor?

If you are a BREEAM assessor on a specific project, you can receive Rambøll's detailed report and additional documentation package for NOVENCO's contribution to the building certification.

Contact us on:

info@novenco-building.com

+45 70 77 88 99

novenco-building.com

MU16328 1125