

## SCOPE AND METHODOLOGY

The purpose of this report is to examine the manufacturing and distribution functions of the Novelio® line of paintable wall coverings manufactured in Europe by Saint-Gobain Technical Fabrics and distributed in North America by ROOS International Ltd. through Saint-Gobain Technical Fabrics Americas, Inc.

This report was compiled after the manufacturer completed and returned a questionnaire developed by AmeriGreen Standards based on ASTM E2129-05: Standard Practice for Data Collection for Sustainability Assessment of Building Products and ISO 14030: Environmental Performance Evaluation.

## SUSTAINABILITY ASSESSMENT

In general terms, Novelio products offer several sustainable characteristics, including:

- Novelio is part of a wall system and, when used with VOC-free adhesives and paint, can actually improve the IEQ of the room in which it is installed (with Clean Air additive).
- Glass fiber is recyclable.
- Extreme durability and life cycle potentially as long as the surface to which it is installed.
- Products carry Oeko-Tex Standard 100, Class 1 rating, the highest available.
- The environmental effects associated with obtaining the raw materials are negligible.
- Saint-Gobain is a world leader in environmental preservation and employs technologies that are the least harmful.
- The Novelio Clean Air coating employs a proprietary, active formulation that irreversibly scavenges aldehydes from the interior air. This starch-based coating is non-toxic and conforms to Oeko-Tex Class 1 standards for human contact. Active ingredients are not impactful to the environment and proprietary.
- The Novelio Mold-X coating employs a proprietary, active formulation that substantially reduces the development of molds and mildew on the surface of the wall covering. This starch-based coating is non-toxic and conforms to Oeko-Tex Class 1 standards for human contact. Active ingredients are not impactful to the environment and proprietary.

In the development of the Novelio product in Europe prior to 2009, Saint-Gobain worked to develop a product that would fit in the French Haute Qualité Environnementale (High Quality Environmental), or HQE, building standard. The effort resulted in the creation of two additional Novelio-based products – Mold-X and Clean Air. Both involve the addition of a surface treatment to the basic Novelio wall covering fabric. Specific performance details are as follows:

- MOLD-X – Novelio Mold-X contains a biocidal agent that works to eliminate the growth of mildew and harmful bacteria on the wall covering surface. The proprietary non-toxic chemical additive is impregnated into the surface of the fabric and, based on internal testing, works effectively to prevent the growth of mold and mildew.
- CLEAN AIR – This product is specifically designed to trap and remove approximately 70 percent of a variety of aldehyde compounds that exist in commercial interiors. These compounds are typically off-gassed from furniture, carpeting, paints and laminates.



## LEED COMPLIANCE EVALUATION

There are three general characteristics present in any legitimate effort toward achieving “green” or sustainable objectives. These include energy savings, a preservation of interior environmental quality (IEQ) and earth-friendly building practices, which embrace concepts such as materials reuse, recycling and minimal waste disposal. Many projects use the LEED criteria in some form as a guide for achieving their own pre-determined level of sustainability.

Saint-Gobain has been named as one the Global 100 Most Sustainable Corporations. Their manufacturing plants consistently achieve ISO 14001 certifications and the Novelio products carry the Oeko-Tex Standard 100 Class 1 Ratings, the highest available in terms of consumer safety. No matter which sustainability initiative it is measured against, the manufacturing process, installation and performance of Novelio Paintable Wall Coverings can be considered “green.”



Novelio paintable wall covering contributes to the following LEED standards:

### LEED – NC New Construction (& Major Renovations) Version 3.0

The LEED-NC Rating System is applicable to new commercial construction and major renovation projects.

### LEED-CI Commercial Interiors Version 3.0

The LEED-CI Rating System is applicable to tenant improvements of new or existing office space.

### LEED-EB Operations & Maintenance 2.0

This LEED version was recently revamped to focus on the Maintenance and Operations of existing buildings, municipalities, government offices and private-sector companies.

### LEED For Schools

The LEED for Schools program is modeled after the LEED-NC 3.0 version.

***For a complete copy of the Novelio Sustainability Assessment and LEED Compliance Evaluation, contact Roos International at (800) 888-2776, or visit their web site at [www.roosintl.com](http://www.roosintl.com)***

