

## GOING GREEN

Billions of dollars annually are dedicated to labor, products and equipment to clean and maintain schools, hospitals, hotels, offices and other facilities. Protecting the built environment has a profound impact on our natural environment, economy, health and productivity.

The US Green Building Council's rating system addresses the environmental and health impacts associated with design, construction and building operations. Their LEED (Leadership in Energy and Environmental Design) building certification includes cleaning requirements and standards that are being adopted by public- and private-sector organizations that are committed to environmental stewardship.

Unger's products and knowledge base are valuable resources in helping companies increase worker safety, improve hygiene and meet LEED building certification.

## THE DOLLARS MAKE SENSE

Building managers and owners ask, "Does green cleaning cost more than conventional products and processes?" The answer is no. In fact, environmental sustainability, reduced costs and a competitive marketing advantage can generate significant financial benefits.

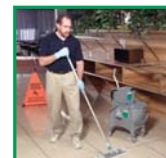
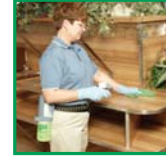
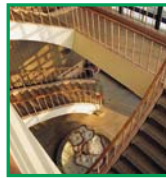
The more important question may be: How much does conventional cleaning cost? There is a direct connection between improved sanitation and the wellness of building occupants. Countless sums are lost due to decreased productivity, absenteeism, increased insurance premiums, remediation costs and legal fees attributed to declining cleaning standards.

## UNGER TAKES THE LEAD

Unger continually works with industry professionals to develop and improve green cleaning tools and advance industry knowledge. We've established and participate in committees consisting of service providers, contractors and independent experts to best meet environmentally preferred specifications.

Our technologically advanced products decrease risks associated with bacteria, mold and airborne contaminants. They also comply with current federal purchasing guidelines. Among our achievements:

- We design tools with replaceable parts, many of which are recyclable.
- We instituted globally recognized color-coding systems that ease the training process and reduce the hazards of cross-contamination between low- and high-risk areas.
- We pioneered advanced cleaning technology with Microfiber textiles that reduce bacteria levels, conserve water, increase productivity and decrease workplace injuries.



## SAFETY IS WITHIN REACH WITH THE HIGH ACCESS SYSTEM

To reduce injuries and risks, managers must assess cleaning tasks and safety policies for interior and exterior facility maintenance.

- High ledges, ceiling vents, light bulbs and windows require customized cleaning tools.
- The Unger High Access System of lightweight aluminum telescopic poles and snap-on tools enhance worker safety.

## MICROFIBER YIELDS MAXIMUM BENEFITS

Unger Microfiber products are among the most efficient tools in the cleaning industry.

- The wedge-shaped filaments trap contaminants and reduce bacteria levels on surfaces by over 97%.
- The design creates high absorbency and superior agitation while conserving water during use.
- Independent laboratory tests demonstrate Unger microfibers' effectiveness vs. other microfibers and conventional mops and cleaning cloths.

## ERGONOMICS ENHANCE PRODUCTIVITY

Cleaning workers are constantly lifting, twisting, bending and performing physically demanding tasks. When managers invest in lightweight materials and adjustable tools and adopt best practices, they reduce costs due to job-related injuries, workers' compensation and absenteeism.

- Unger conducts ergonomic evaluations with leading experts in the field.
- We design tools to fit the worker to reduce risk and injuries.
- We aim to prevent occupational hazards and minimize the potential for fatigue, injury or improper use through the evaluation of job requirements, process improvement and training methods.

## CLEAN RESTROOMS ARE THE HALLMARK OF HEALTHY BUILDING

Restroom hygiene, odors and disposable products represent over 50% of building occupants' complaints. Cleaner restrooms are both a significant challenge and opportunity for managers.

- Unger has developed a systematic approach to daily cleaning routines and scheduled project work.
- Our systems include a variety of ergonomic tools, bacteria-reducing microfiber products, divided buckets and comprehensive, step-by-step training programs for quality results.

## SMART COLOR CLEANING SYSTEM (SCCS)

SmartColor is an intuitive visual coding system that removes language and literacy barriers for a diverse workforce.

- Color-coded tools, buckets and mops make it easy for cleaning workers to separate tools into their correct areas of use.
- It enhances facility hygiene by reducing bacteria redistribution and cross-contamination.
- The results are improved performance, better sanitation and healthier buildings.



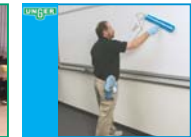
RESTROOM



SPECIALTY



FOODSERVICE



GENERAL



Quality Tools For Smart Cleaning

## ADOPTING GREEN CLEANING STANDARDS TO EARN LEED POINTS

The LEED-EB Rating certification is based on a point system, with at least 31 points needed for certification. Green cleaning practices can help you earn points in the following categories. For more information on how to apply LEED-EB in your building, visit the United States Green Building Council's website at [www.usgbc.org](http://www.usgbc.org).

### Energy & Atmosphere

**Building Operation and Maintenance: Staff Education** **1 point**

### Materials and Resources

**Source Reduction and Waste Management: Waste Stream Audit** **Required**

**Optimize Use of Indoor Air Quality (IAQ) Compliant Products** **2 points**

**Sustainable Cleaning Products and Materials** **1-3 points**

**Occupant Recycling** **1-3 points**

### Indoor Environmental Quality

**Documenting Productivity Impacts: Absenteeism and Health Care Cost Impacts** **1 point**

**Contemporary IAQ Practice** **1 point**

**Green Cleaning: Entryway Systems** **1 point**

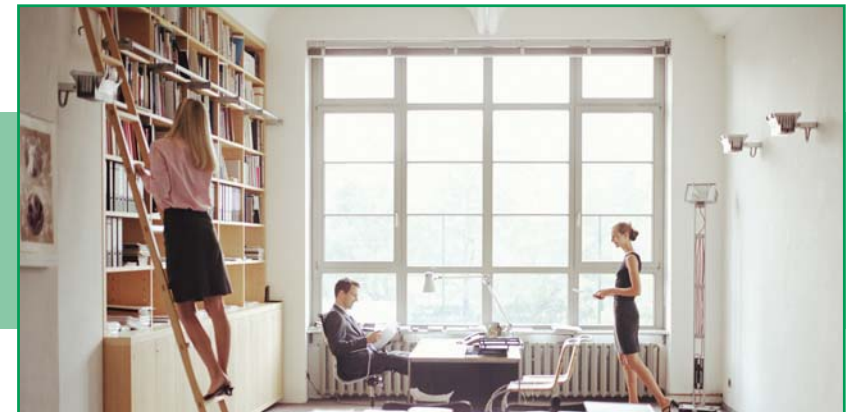
**Green Cleaning: Isolation of Janitorial Closets** **1 point**

**Green Cleaning: Low Environmental Impact Cleaning Policy** **1 point**

**Green Cleaning: Low Environmental Impact Pest Management Policy** **2 points**

**Green Cleaning: Low Environmental Impact Cleaning Equipment Policy** **1 point**

# ADOPTING GREEN CLEANING STANDARDS FOR HEALTHY BUILDINGS



### UNGER'S ENVIRONMENTAL STEWARDSHIP PRINCIPLES

- Clean for health first and appearance second.
- Minimize human exposure to contaminants and cleaning products.
- Recognize cleaning as an environmental health benefit.
- Commit to occupational development of cleaning personnel.
- Communicate the value of healthy buildings.
- Minimize chemical, particle and moisture residue when cleaning.
- Ensure worker and occupant safety.
- Contain and reduce all pollutants entering the building.
- Dispose of cleaning products in environmentally safe ways.
- Establish and document routine maintenance schedules.



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