



Quality Tools for Smart Cleaning™

UNGER'S SMART GUIDE TO GREEN CLEANING

Green Cleaning is about more than using “eco-friendly” cleaning chemicals—it’s also about utilizing cleaning tools and processes that protect our health without harming the environment. The patented Unger dual bucket and microfiber flat mop systems provide important advantages that enhance green cleaning programs.

UNGER GREEN CLEANING FACTS

■ Reduced Chemical Usage



- The Unger microfiber flat mop requires 87.5% fewer chemicals than conventional mop and single bucket systems.
- Lower levels of chemical VOC emissions dramatically improve indoor air quality (IAQ).

Chemical Reduction	Conventional Method	Unger Method	Reduction
Annual chemical usage for mopping	122,640 ounces	15,330 ounces	87.5%

Source: “Mopping System Cost Benefit Analysis”
Kaiser Permanente AICHE Conference, Atlanta, GA 2004 – Carl Solomon, CHESP, MBA

■ Increased Water Conservation



- The Unger cleaning system uses 75% less water than conventional mop and bucket systems.
- Unger’s dual bucket design eliminates cross-contamination and keeps solution cleaner longer, reducing water and chemical use.

Water Conservation	Conventional Method	Unger Method	Reduction
Sample water usage for mopping	120 gallons	30 gallons	75%

Source: “ManageMen (OS1)® and the Environment”
ManageMen, Inc., Salt Lake City, UT, 2007

■ Improved Indoor Air Quality



- Unger’s microfiber technology reduces bacteria levels on floors by 96%, improving air quality and reducing odors.
- Unger’s microfiber flat mops reduce soil levels more effectively than most conventional mops.

Quantifying Clean	Conventional Method	Unger Method	Reduction
Bacteria and soil remaining	3.4 micrograms	2.7 micrograms	16%

Source: 2006 Comparison Case Study – Matrix Integrated Facility Management, New York – Jim Peduto, CBSE



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Less Waste



- Unger microfiber has a longer product life cycle, reducing disposal costs and outlasting other fiber products 10:1.
- High-quality raw materials and rigorous quality testing used in the Unger manufacturing process prolongs tool life.

Reduced Waste	Conventional Method	Unger Method	Reduction
Quantity of mops purchased annually	240	12	95%

Source: BSC, Falls Church, VA 2006

Additional Green Advantages

Worker Safety (Reduced Workers Compensation)

- Unger's microfiber flat mops weigh 8 lbs less than conventional 24 oz. loop mops, reducing the risk of strain and injury.
- The Unger ergonomic, high-profile bucket design and spring-loaded side press require less effort and bending to use.

Cleaning Without Polluting

- The Unger dual bucket system mopping process separates clean and dirty water, preventing cross-contamination.
- Unger's microfiber flat mops pick up dirt rather than spreading it around. Low-profile design gets into corners and helps eliminate buildup of dirt on baseboards.

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, combined with Unger products, can help you earn points in several 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.

For more information on Unger green cleaning products, visit www.ungerglobal.com and download our "Adopting Green Cleaning Standards Brochure".



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