

Diversey



TASKI®



TASKI® Intelliflow™ **Environmental Claim Validation**

By: Daniel Daggett, Ph.D., Executive Director, Sustainability Diversey

Date: February 22, 2017



Technology and Innovation

Since 1955, TASKI® innovations in machine floor care technology have been delivering efficiency, sustainability, ergonomics and improved cleanliness to facilities around the world. Today, the TASKI® team at Diversey continues to innovate and lower the total cost of maintaining clean and hygienic facilities by reducing water consumption, lowering chemical use, preventing waste and saving time. A series of TASKI technologies are defining new standards for cleaning machines: IntelliFlow™, IntelliDose™, IntelliPad®, IntelliTrail® and Intellibot®. These intelligent technologies are advancing the cleaning industry by radically improving operations efficiency in a myriad of environments and spaces.

The patented TASKI® IntelliFlow™ solution flow technology automates the delivery of precise amounts of cleaning solution and water onto floors based on the speed of the machine and its turning radius. The IntelliFlow™ system uses real-time adjustments to modulate the flow of cleaning solution as the operator steers and changes the speed of the machine. These adjustments decrease water and chemical consumption, reduce time-consuming tank fills, and lower costs. The benefits to facilities that use TASKI® machines equipped with IntelliFlow™ technology is faster cleaning, consistently dry floors that dramatically reduces slip and fall potential, and incorporation of a sustainable practice.

The independent validation of the TASKI® IntelliFlow™ system by a reputable third party validation organization authenticates the benefits that it was designed to provide and that users have experienced.

Trust and Validation

Environmental stewardship drives decision making in all industries today and is a major consideration for facilities selecting products and services in the cleaning industry. However, the growth of 'green' products has created confusion among end users due to false claims or 'greenwashing'. In fact, a report on environmental claims in consumer markets titled *The Seven Sins of Green Washing*¹,

found that 98 percent of products marketed as green were guilty of making a false claim. One way to make sure that products truly deliver sustainability performance is through independent validation from reputable organizations. Demand for environmentally certified products is growing; forty percent of consumers in markets like Brazil, China, Germany, India, the United Kingdom and the United States identify certification labels on products to be the most trusted indicator of a product's environmental or social responsibility.²



Underwriters Laboratories (UL) is more than a 100-year-old company with proven science-based expertise in environmental testing, standard setting, validation and sustainability strategy development. The UL Environment (ULE) business unit certifies products with well-known eco labels such as GREENGUARD and ECOLOGO. Additionally, ULE focuses on environmental claim validation (ECV), including innovative technologies, where standards do not currently exist.

Pursuing an environmental claim validation with ULE requires protocol development, rigorous testing, auditing, and data analysis to quantify the sustainability benefits of a technology. If the technology delivers on its claim and it can be proven by ULE scientists, products become ECV certified as recognition of a validated environmental claim. In addition to the published authentication, ECV products are listed in UL's sustainable products database for interested parties to search and safeguard themselves against companies that make false 'green' product claims.

Science-Based Testing

In 2016, Diversey's TASKI® team contacted ULE to inquire about an ECV study that would validate the water and chemical savings delivered by its TASKI® IntelliFlow™ system. Scientists from both Diversey and ULE outlined a test protocol and a standard for the machine technology validation.

Two types of auto scrubber machines – with and without the IntelliFlow™ technology – were sent to a test facility where ULE conducted a series of tests to measure water and chemical consumption in many different use scenarios.

ULE used a four-step process for studying the TASKI® ECV:

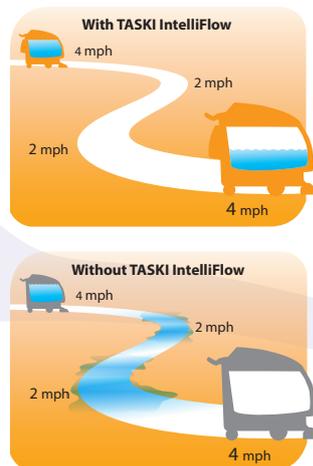
1. Exploration: framing the challenges and opportunities of claims including relevant regulatory guidelines and competitor claims.
2. Preliminary Assessment: assessing the feasibility of claims based on:
 - a. Environmental significance
 - b. Relevant marketplace
 - c. Technical and market requirements
3. Validation Protocol Development: creating a validation protocol detailing scope and boundaries including testing and validation requirements.
4. Claim Validation: validating the claims against the protocol developed.

TASKI® IntelliFlow™ Achieves Validation

After the study and data analysis, ULE determined that Diversey's claims about its patented TASKI® IntelliFlow™ solution flow technology were verifiable and meaningful to the marketplace. The TASKI® floor scrubbers with IntelliFlow saved an average of 76 percent water and chemicals compared to TASKI® floor scrubbers without IntelliFlow.

The following TASKI® swingo® models now carry the Environmental Claims Validation badge:

- TASKI® swingo® 855 B
- TASKI® swingo® 1255
- TASKI® swingo® 1655
- TASKI® swingo® 1855
- TASKI® swingo® XP-R
- TASKI® swingo® XP-M
- TASKI® swingo® 2100micro
- TASKI® swingo® 2500
- TASKI® swingo® 4000
- TASKI® swingo® 5000



In accordance with the ULE Environmental Claims Validation Guidelines, the products listed in this document are able to be labeled and marketed with the ULE Environmental Claims Validation Logo.

**Note: This claim is only valid as long as no major changes occur, not limited to, product reformulation, manufacturing process changes, relocation of manufacturing facility, etc.*

Confidence in ECV

TASKI® IntelliFlow™ machines now proudly display the ULE badge with ECV. The validation authenticates that use of a TASKI® machine with the IntelliFlow™ technology can significantly reduce time to clean and provide sustainable use. By saving water, machines can go longer between tank fillings, extending use by 45 minutes per machine. TASKI® IntelliFlow™ machines also reduce chemical waste, which results in less spend. Controlling the amount of water and chemical on the floor ensures floors are properly cleaned and dried. Additionally, cleaning with the TASKI® IntelliFlow™ automated solution flow system results in a high quality floor appearance.

References

- ¹ Terra Choice Environmental Marketing (2009). Retrieved from <http://sinsofgreenwashing.com/indexd49f.pdf>
- ² UL. (2017). Certification/Validation Marks. Retrieved from <http://industries.ul.com/environment/certificationvalidation-marks>.



Diversey has been, and always will be, a pioneer and facilitator for life. We constantly deliver revolutionary cleaning and hygiene technologies that provide total confidence to our customers across all of our global sectors.

Headquartered in Fort Mill, South Carolina, USA, Diversey employs approximately 9,000 people globally, generating net sales of approximately \$2.6 billion in 2017.

For more information, visit www.diversey.com or follow us on social media.

