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eWater Green Building Rating Summary

Introduction

eWater is a sustainable infection control and cleaning system that uses salt water electrolysis to replace harmful synthetic chemicals at a lower cost, protecting health and safety with zero impact on the environment.

eWater is produced on-site with an on-demand electrolysis generator. Systems vary in size and can be stand alone or fully reticulated, dependent on project requirements and applications.

Key environmental benefits

Using eWater provides numerous environmental benefits:

- Eliminates chemical toxins from cleaning and infection control activities
- Eliminates breathing relating issues like asthmatic reactions, allergies, all sneezing related to chemicals and fragrances
- Reduces plastic waste using no single use plastic containers or disposables
- Eliminates high energy use factory production of synthetic packaged chemicals
- Eliminates carbon heavy freighting of synthetic packaged chemicals from factory production.

TGA approved

eWater Disinfectant is listed on the Australian Register of Therapeutic Goods (ARTG) as a commercial-grade hard surface disinfectant that is proven to kill Coronaviruses including COVID-19. **ARTG No. 343004**

Accreditations in Food Safety

eWater has been extensively tested and proven to kill a wide range of pathogenic microganisms, meeting national regulations including:

- **HACCP Certification** for compliance within a commercial food safety program.
- **Australian Organics** for food safety compliance within an organic food production system.
- **GECA Certified** for independent environmental assurance.

eWater & the Rating Tools

These benefits assist buildings achieve environmental rating tools, in the following ways:

DIRECT

When tool criteria contain requirements for 'green' cleaning products, practices, documentation or training.

INDIRECT

Where tool criteria require initiatives that reduce energy or water consumption, prevent indoor pollutants and/or support waste reduction and recycling initiatives.

RATING TOOL	HOW EWATER CONTRIBUTES [standalone + reticulated systems]		CONTRIBUTING CREDITS
greenstar PERFORMANCE **Green Star Performance (v1.2)**	**DIRECT** **Credit 6: Green Cleaning (Management category)** • Credit 6.2 Green Cleaning in Common Areas • Credit 6.3 Green Cleaning in all areas	(1 CREDIT) (1 CREDIT)	**UP TO 2 DIRECTLY**
	INDIRECT **Credit 21: Procurement & Purchasing (Materials category)** • Consumable Materials **Credit 22: Waste from Operations (Materials category)** • Waste to Landfill Reduction	(1 CREDIT) (1-3 CREDITS)	**UP TO 4 INDIRECTLY**
greenstar **Green Star Buildings (v1)**	**DIRECT** **Credit 8: Responsible Systems** • EPD / ISO14001 contributing to Responsible Products Value **Credit 40: Leadership (Innovation)** • Leading Technology or Process, Global Sustainability (Green Cleaning), and Circular Economy*	(1-2 CREDITS) (1-3 CREDITS)	**UP TO 1-2 DIRECTLY** **UP TO 1-3 DIRECTLY**
	INDIRECT **Credit 4: Operational Waste** • Reduced waste streams / Off-site recycling **Credit 13: Exposure to Toxins** • VOC and Formaldehyde Testing **Credit 24: Life Cycle Impacts** • Reduction of life cycle impacts	(2 CREDITS)	**CONTRIBUTE TO MINIMUM EXPECTATIONS** **UP TO 2 CREDITS** **DEPENDANT ON PROJECT**
greenstar Interiors **Green Star Buildings (v1)**	**DIRECT** **Credit 27: Leadership (Innovation) credit:** • 1-2 credits: Leading Technology or Process / Global Sustainability (Green Cleaning)*	(1-2 CREDITS)	**UP TO 1-2 DIRECTLY**
	INDIRECT **Credit 7: Operational Waste** • 1 point: Operational waste reduction **Credit 19: LCA** • Project dependant points: Reduction of life cycle impacts	(1 CREDIT)	**UP TO 1 INDIRECTLY** **DEPENDANT ON PROJECT**
WELL **The WELL Building Standard (v2, Q1 2022)**	**DIRECT** **X11: Cleaning Products and Protocol** • X11.01 Improve Cleaning Practices • X11.02: Select Preferred Cleaning Products • Innovation*	(1 POINT / WELL CORE .5 POINT)	**UP TO 3 DIRECTLY** **(WELL CERTIFICATION + 2 CORE CERTIFICATION)**
	INDIRECT **A01: Air Quality** • **Preconditions:** A01.1 / A01.2 / A01.3 - Meet Thresholds for Particulate Matter / Organic Gases / Inorganic Gases **W01: Water Quality Indicators** • **Precondition:** Verify Water Quality Indicators (for dishwashing, handwashing and cooking parameters) **W08: Hygiene Support** • W08.3 Support Effective Handwashing	(PRECONDITION) (PRECONDITION) (1 POINT / WELL CORE .5 POINT)	**CONTRIBUTES MEETING 2 PRE-CONDITIONS** **UP TO 1 DIRECTLY** **(WELL CERTIFICATION + 2 CORE CERTIFICATION)**

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Hygiene that doesn't cost the Earth

RATING TOOL	HOW EWATER CONTRIBUTES [standalone + reticulated systems]		CONTRIBUTING CREDITS
The WELL Health & Safety Rating (Q4, 2021)	**DIRECT** • SC3 Improve Cleaning Practices • SC4 Select Preferred Cleaning Products • SC1 Innovation*	(1 CREDIT) (1 CREDIT) (1 CREDIT)	**UP TO 3 DIRECTLY**
	INDIRECT • SC1 Support Handwashing • SA4 Monitor Air and Water Quality	(1 CREDIT) (1 CREDIT)	**UP TO 1-2 INDIRECTLY**
The WELL Performance Rating	**DIRECT** • SI1 Innovation*	(1 CREDIT)	**UP TO 1 DIRECTLY**
	INDIRECT **A01: Air Quality** • **PA1 / PA2 / PA3 / PA4 / PA5/ PA6:** Meet Thresholds and Enhanced Thresholds for Particulate Matter / Organic Gases / Inorganic Gases **W01: Water Quality Indicators** • **PW1:** Verify Water Quality Indicators (for dishwashing, handwashing and cooking parameters)	(6 CREDITS) (1 CREDITS)	**UP TO 7 INDIRECTLY**
The Living Building Challenge (v 4.0)	**DIRECT** **Minimum requirement:** I10 – Healthy Interior Performance		**CONTRIBUTE TO MINIMUM REQUIREMENTS**
	INDIRECT • **Minimum requirement:** I09-1 Healthy Indoor Environment Plan • **Minimum requirement:** I-16 Net Positive Waste		**CONTRIBUTE TO MINIMUM REQUIREMENTS**
NABERS	**DIRECT** • **Minimum requirement:** NABERS IE Base Building / NABERS IE Tenancy / NABERS IE Whole Building: Indoor Air Quality (PM10 / TVOC's / CO / Formaldehyde) testing		**CONTRIBUTE TO MINIMUM REQUIREMENTS**
	INDIRECT • **NABERS Waste:** Reduction of waste		**CONTRIBUTE TO SCORE REQUIREMENTS**

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RATING TOOL	HOW EWATER CONTRIBUTES [standalone + reticulated systems]		CONTRIBUTING CREDITS
LEED v4.1	**O + M DIRECT** • **Innovation** • **EQ Prerequisite:** Green Cleaning	(1 **POINT**)	
	BD + C, ID+C INDIRECT Cr: Integrative Process • Water Budget Analysis MR: Building Life Cycle Impact Reduction • LCA impact analysis	(1 **POINT**) (1-6 **POINTS**)	**UP TO 2 INDIRECTLY**
	O + M INDIRECT • **MR:** Prerequisite: Purchasing Policy • **MR:** Prerequisite: Facility Maintenance and Renovation Policy • **MR:** Prerequisite: Waste Performance • **MR:** Purchasing • **EQ:** Prerequisite: Indoor Environmental Quality Performance	(8 **CREDITS**) (1 **CREDIT**) (20 **POINTS**)	**CONTRIBUTES TO MEETING 5 MINIMUM REQUIREMENTS AND UP TO 8 CREDITS INDIRECTLY.**

* = eWater Systems have been deemed to meet Innovation requirements for the certification scheme, however this is subject to project application. Individual Technical Clarifications are required on a project-by-project basis to confirm

Did you know?

- Business owners are legally required to keep airborne contaminants as low as reasonably practicable, under Section 17 of the Workplace Exposure Standards?

- To comply, businesses must ensure that low hazardous environments are maintained via minimal chemical exposure.

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Get In Touch

Speak to our design consulting team today who can assist you to specify eWater into your next project.

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