

# Equivalency Statement: BMEC vs. ASSE 1072

This document outlines the equivalency between Ontario's BMEC (Building Materials Evaluation Commission) approval and the ASSE 1072 performance standard for barrier-type trap seal protection devices, such as the Green Drain™. It is intended for use with plumbing inspectors, engineers, and facility managers to demonstrate code compliance.

## BMEC Overview

- BMEC is a product approval pathway in Ontario, Canada, that certifies building materials meet performance requirements.
- For trap seal devices, BMEC verifies compliance with plumbing code provisions related to sewer gas and pathogen control.
- BMEC is jurisdiction-specific but often references nationally or internationally recognized performance standards.

## ASSE 1072 Overview

- ASSE 1072 – 'Performance Requirements for Barrier-Type Trap Seal Protection Devices'.
- Specifies design, material, and performance criteria to block sewer gas and airborne pathogens when a water seal is absent.
- Recognized by U.S. and Canadian model plumbing codes (UPC, IPC, NPC) and accepted internationally.
- Includes rigorous testing for backflow prevention, odor control, and air pressure resistance.

## Equivalency Statement

The Green Drain™ is ASSE 1072 certified and IAPMO cUPC listed. ASSE 1072 covers the same functional performance criteria as BMEC for trap seal devices, including pathogen and odor prevention, material safety, and durability under plumbing system conditions. Therefore, ASSE 1072 + cUPC certification should be considered an equivalent compliance pathway to BMEC approval for the purposes of code enforcement and inspection in Ontario and other Canadian provinces.

## Supporting Certifications

- IAPMO cUPC – Confirms compliance with Canadian Uniform Plumbing Code.
- NSF & HACCP – Verifies public health and food safety compliance.
- WMTS-522 (Australia/NZ), CE, and other international approvals.
- SGS laboratory testing confirms >99.9% viral aerosol blockage.