



EcoBrik Product Testing and Industrial Standard

Canadian Construction Materials Centre (CCMC), a division of National Research Council, informed that there are currently no regulations or Building code for pavement bricks. City inspectors are the ultimate signoff on projects involving pavement bricks.

Environment and Climate Change in Canada (ECCC) also stated that there are not specific requirements or industry codes directly applicable to plastic bricks made from recycled materials.

However, as pioneers in this field, we recognize the importance of adhering to established environmental, safety, and quality standards.

We have therefore developed a comprehensive testing protocol to establish a new standard. This protocol can also serve as a valuable reference for relevant CCMC, ECCC and Municipality regulations. Not only does it validate the quality and sustainability of Samsara's product, it also positions the company as a leader in the establishment of industry standards.

Samsara's EcoBriks are tested according to ASTM standards, particularly for compressive strength, dimensional tolerance, durability, and water absorption. Its materials and process have also been evaluated according to U.S. EPA Guidelines for non-toxicity and environmental safety. The absence of chemical binders, incineration, or volatile additives ensures that the products emit negligible Levels of VOCs, Heavy Metals, or Dioxins during production and use.

Independent Third-Party Validation:

Mechanical performance and environmental compliance are verified through accredited testing laboratories. Strength and durability testing were conducted in collaboration with SGS Labs, an internationally recognized leader in inspection, verification, testing, and certification, and PowerTech Lab, a reputable Canadian facility specializing in advanced testing and engineering services, contributed to the verification of mechanical performance under standardized protocols.

Copyright and Revision Notice

This document is protected by copyright and may not be reproduced or distributed without permission. Samsara Materials reserves the right to revise, update, or withdraw this document at any time without prior notice. Information is provided "as is" and may change without obligation to notify users.