



**CSA A123.24:15**  
National Standard of Canada  
*(reaffirmed 2019)*



# Standard test method for wind resistance of modular vegetated roof assembly



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## ***Revision History***

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# *National Standard of Canada*

## *CSA A123.24:15*

### *Standard test method for wind resistance of modular vegetated roof assembly*



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# Preface

This is the first edition of CSA A123.24, *Standard test method for wind resistance of modular vegetated roof assembly*.

This Standard is based on the ongoing research and testing that is being carried out at the National Research Council Canada (NRCC). This document provides requirements for wind resistance testing of modular vegetated roof assemblies. The requirements specified include specimen set-up, instrumentation and apparatus, testing procedures, and termination.

CSA Group acknowledges that the development of this Standard was made possible, in part, by the financial support from the SIGDERS-VRA consortia managed by the Canadian Roofing Contractors' Association (CRCA).

This Standard was prepared by the Technical Committee on Bituminous Roofing Materials, under the jurisdiction of the Strategic Steering Committee on Construction and Civil Infrastructure, and has been formally approved by the Technical Committee.

This Standard has been developed in compliance with Standards Council of Canada requirements for National Standards of Canada. It has been published as a National Standard of Canada by CSA Group.

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  - c) *wording of the proposed change; and*
  - d) *rationale for the change.*

# *CSA A123.24:15*

## *Standard test method for wind resistance of modular vegetated roof assembly*

### **1 Scope**

#### **1.1**

The test method in this Standard determines the wind resistance of modular vegetated roof assembly when subjected to dynamic wind flow and loading cycles in laboratory conditions.

#### **1.2**

Testing in accordance with the test method in this Standard is applicable to modular vegetated systems that are grown off-site and simply placed on the roof to achieve coverage.

#### **1.3**

Testing in accordance with the test method in this Standard is not applicable to mechanically attached membrane roofing system as defined in Clause 3 of CSA A123.21.

#### **1.4**

The values given in SI (metric) units are the standard. The values given in parentheses are for information only.

#### **1.5**

In this Standard, “shall” is used to express a requirement, i.e., a provision that the user is obliged to satisfy in order to comply with the standard; “should” is used to express a recommendation or that which is advised but not required; and “may” is used to express an option or that which is permissible within the limits of the standard.

Notes accompanying clauses do not include requirements or alternative requirements; the purpose of a note accompanying a clause is to separate from the text explanatory or informative material.

Notes to tables and figures are considered part of the table or figure and may be written as requirements.

Annexes are designated normative (mandatory) or informative (non-mandatory) to define their application.

### **2 Reference publications**

This Standard refers to the following publications, and where such reference is made, it shall be to the edition listed below, including all amendments published thereto.