
Draft Jamaican Standard

Method of Test

for

Paints and varnishes — **Determination of scratch resistance**
— **Part 1: Constant-loading method**



BUREAU OF STANDARDS JAMAICA

NON-OBJECTION PERIOD:

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Jamaican Standards establish requirements in relation to commodities, processes and practices, but do not purport to include all the necessary provisions of a contract.

The attention of those using this specification is called to the necessity of complying with any relevant legislation.

Amendments

No.	Date of Issue	Remarks	Entered by and date

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National foreword

This standard is an adoption and is identical to ISO 1518-1: 2023 Paints and varnishes — Determination of scratch resistance — Part 1: Constant-loading method published by the International Organization for Standardization (ISO).

Scope of the standard

This document specifies a test method for determining, under defined conditions, the resistance of a single coating or a multi-coat system of paint, varnish or related product to penetration, by scratching with a scratch stylus loaded with a specified load. The stylus penetrates to the substrate, except in the case of a multi-coat system, in which case the stylus can penetrate either to the substrate or to an intermediate coat.

The method specified can be carried out:

- a) either as a “pass/fail” test, by testing with a single specified load applied to the stylus to assess conformity with a particular specification; or
- b) as an assessment test by applying increasing loads to the stylus to determine the minimum load at which the coating is penetrated.

NOTE Neither this document nor ISO 1518-2 specifies a method using a curved stylus, which is specified in ISO 12137. The choice between the three methods depends on the particular practical problem.

Where the words 'International Standard' appear, referring to this standard, they should be read as 'Jamaican Standard'.

Where reference is made to informative and normative annexes the following definitions should be noted:

- Informative Annex – gives additional information intended to assist in the understanding or use of the document. They do not contain requirements.
- Normative Annex – gives provisions additional to those in the body of a document. They contain requirements.

Users should note that all standards undergo revision from time to time and that any reference made herein to any standard implies its latest edition, unless otherwise stated.

This standard is voluntary.

Committee representation

The preparation of this standard for the Standards Council, established under the Standards Act of 1969, was carried out under the supervision of the Paints and Surface Coatings Technical Committee which at the time comprised the following members:

Acknowledgment

Acknowledgement is made to the International Organization for Standardization (ISO) for permission to adopt ISO 1518-1: 2023 Paints and varnishes — Determination of scratch resistance — Part 1: Constant-loading method.