



DRAFT TANZANIA STANDARD

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

TANZANIA BUREAU OF STANDARDS

CDC 13 (4146) DTZS – ISO 1518-1:2023

National foreword

Tanzania Bureau of Standards (TBS) is a sole National Standards body, established by the Standards Act No. 2 of 2009. It is mandated, among other functions, with formulation of National Standards in all products.

This Draft of Tanzania Standard is being prepared by Paints and Varnish Technical Committee under the supervision of Chemical Divisional Standards Committee

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

Terminology and conventions

Some terminology and certain conventions in the ISO standards are not identical with those used in Tanzania Standards and attention is drawn to the following:

The comma (,) has been used as a decimal marker (.) for metric dimensions. In Tanzania Standards, it is current practice to use a full point on the base line as the decimal marker.

Wherever the words “International Standard” appear in this Tanzania Standard, they should be interpreted as “Tanzania Standard”.

Scope

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.

