



MALAYSIAN STANDARD

MS 133: PART A1:2008

**PAINTS, VARNISHES AND RAW MATERIALS
FOR PAINTS AND VARNISHES -
PART A1: SAMPLING
(SECOND REVISION)
(ISO 15528:2000, IDT)**

ICS: 87.040

Descriptors: paints, varnishes, sampling

© Copyright 2008

DEPARTMENT OF STANDARDS MALAYSIA

DEVELOPMENT OF MALAYSIAN STANDARDS

The **Department of Standards Malaysia (STANDARDS MALAYSIA)** is the national standardisation and accreditation body.

The main function of the Department is to foster and promote standards, standardisation and accreditation as a means of advancing the national economy, promoting industrial efficiency and development, benefiting the health and safety of the public, protecting the consumers, facilitating domestic and international trade and furthering international cooperation in relation to standards and standardisation.

Malaysian Standards are developed through consensus by committees which comprise of balanced representation of producers, users, consumers and others with relevant interests, as may be appropriate to the subject in hand. To the greatest extent possible, Malaysian Standards are aligned to or are adoption of international standards. Approval of a standard as a Malaysian Standard is governed by the Standards of Malaysia Act 1996 (Act 549). Malaysian Standards are reviewed periodically. The use of Malaysian Standards is voluntary except in so far as they are made mandatory by regulatory authorities by means of regulations, local by-laws or any other similar ways.

The Department of Standards appoints **SIRIM Berhad** as the agent to develop Malaysian Standards. The Department also appoints SIRIM Berhad as the agent for distribution and sale of Malaysian Standards.

For further information on Malaysian Standards, please contact:

Department of Standards Malaysia

Century Square, Level 1 & 2
Blok 2300, Jalan Usahawan
63000 Cyberjaya
Selangor D.E.
MALAYSIA

Tel: 60 3 8318 0002
Fax: 60 3 8319 3131

<http://www.standardsmalaysia.gov.my>

OR

SIRIM Berhad

(Company No. 367474 - V)
1, Persiaran Dato' Menteri
P.O. Box 7035, Section 2
40911 Shah Alam
Selangor D.E.

Tel: 60 3 5544 6000
Fax: 60 3 5510 8095

<http://www.sirim.my>

E-mail: central@standardsmalaysia.gov.my

CONTENTS

	Page
Committee representation.....	ii
National foreword.....	iii
Foreword.....	iv
Introduction	v
1 Scope	1
2 Normative references.....	1
3 Terms and definitions.....	1
4 General requirements	2
5 Sampling equipment	3
6 Sampling procedure.....	11
Figures	
1 Sample scoop for liquids.....	4
2 Sampling scoops for powders.....	5
3 Sampling tube consisting of two concentric tubes	6
4 Sampling tube with single tube	7
5 Valve sampling tube.....	8
6 Sampling can	9
7 Bottom or zone sampler (sectional view)	10
Table 1 Minimum number of containers to be sampled.....	13
Bibliography	15

MS 133: PART A1:2008

Committee representation

The Industry Standards Committee on Chemical and Materials (ISC B) under whose authority this Malaysian Standard was adopted, comprises representatives from the following organisations:

Department of Agriculture Malaysia
Department of Chemistry, Malaysia
Department of Standards Malaysia
Malaysian Association of Standards Users
Malaysian Ceramic Industry Group
Malaysian Institute of Chemistry
Malaysian Paint Manufacturers Association
Malaysian Pulp and Paper Manufacturers Association
Minerals and Geoscience Department Malaysia
Ministry of International Trade and Industry
Science and Technology Research Institute for Defence
Universiti Malaya
Universiti Sains Malaysia

The Technical Committee on Paints and Varnishes which recommended the adoption of the ISO Standard consists of representatives from the following organisations:

ICI Paints (Malaysia) Sdn Bhd
IKRAM QA Services Sdn Bhd
Malaysian Paint Manufacturers Association
Revertex (M) Sdn Bhd
Science and Technology Research Institute for Defence
Seamaster Paint (Mfg) Berhad
SIRIM Berhad (Secretariat)
SIRIM QAS International Sdn Bhd
Universiti Kebangsaan Malaysia
Universiti Teknologi Malaysia
Universiti Teknologi MARA

Co-opted member:

Jotun (M) Sdn Bhd

NATIONAL FOREWORD

The adoption of the ISO Standard as a Malaysian Standard was recommended by the Technical Committee on Paints and Varnishes under the authority of the Industry Standards Committee on Chemical and Materials.

This Malaysian Standard is the second revision of MS 133: Part A1, *Methods of test for paints - Part A1: Sampling of products in liquids or paste form (First Revision)*.

This Malaysian Standard is identical with ISO 15528:2000, *Paints, varnishes and raw materials for paints and varnishes - Sampling*, published by the International Organization for Standardization (ISO). However, for the purposes of this Malaysian Standard, the following apply:

- a) in the source text, "this International Standard" should read "this Malaysian Standard"; and
- b) the comma which is used as a decimal sign (if any), to read as a point.

This Malaysian Standard cancels and replaces MS 133: Part A1:1993.

Compliance with a Malaysian Standard does not of itself confer immunity from legal obligations.

NOTE. IDT on the front cover indicates an identical standard i.e. a standard where the technical content, structure, wording (or is an identical translation) of a Malaysian Standard is exactly the same as in an International Standard or is identical in technical content and structure although it may contain the minimal editorial changes specified in clause 4.2 of ISO/IEC Guide 21-1.

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 15528 was prepared by Technical Committee ISO/TC 35, *Paints and varnishes*, Subcommittee SC 9, *General test methods for paints and varnishes*.

It cancels and replaces ISO 842:1984 and ISO 1512:1991.

Sampling depends on the state of aggregation of the product and the size of the container but not on the type of product, e.g. paint, varnish, binder, pigment, extender or solvent. It was therefore decided to combine ISO 842 and ISO 1512. ISO 8130-9:1992, *Coating powders — Part 9: Sampling*, describes methods for the sampling of coating powders from consignments and for the subdivision of the sample into quantities suitable for test methods specified in other parts of ISO 8130. It was decided that ISO 8130-9 should remain a separate standard and not be combined with ISO 842 and ISO 1512 because it is part of a comprehensive series of standards dealing with coating powders. ISO 1513:1992, *Paints and varnishes — Examination and preparation of samples for testing*, specifies both the procedure for preliminary examination of a single sample as received for testing, and the procedure for preparing a test sample by blending and reduction of a series of samples representative of a consignment of paint, varnish or related product, the samples of the product to be tested having been taken in accordance with ISO 842 and ISO 1512.