



NSAI
Standards

Irish Standard
I.S. EN ISO 6272-1:2011

Paints and varnishes - Rapid-deformation (impact resistance) tests - Part 1: Falling-weight test, large-area indenter (ISO 6272-1:2011)

I.S. EN ISO 6272-1:2011

Incorporating amendments/corrigenda/National Annexes issued since publication:

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This document replaces:
EN ISO 6272-1:2004

This document is based on:
EN ISO 6272-1:2011

Published:
24 August, 2011

This document was published
under the authority of the NSAI
and comes into effect on:
24 August, 2011

ICS number:
87.040

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English Version

**Paints and varnishes - Rapid-deformation (impact resistance)
tests - Part 1: Falling-weight test, large-area indenter (ISO 6272-
1:2011)**

Peintures et vernis - Essais de déformation rapide
(résistance au choc) - Partie 1: Essai de chute d'une masse
avec pénétrateur de surface importante (ISO 6272-1:2011)

Beschichtungsstoffe - Prüfung der Widerstandsfähigkeit bei
schlagartiger Verformung (Schlagfestigkeit) - Teil 1:
Prüfung durch fallendes Gewichtsstück, große Prüffläche
(ISO 6272-1:2011)

This European Standard was approved by CEN on 22 July 2011.

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Foreword

This document (EN ISO 6272-1:2011) has been prepared by Technical Committee ISO/TC 35 "Paints and varnishes" in collaboration with Technical Committee CEN/TC 139 "Paints and varnishes" the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by February 2012, and conflicting national standards shall be withdrawn at the latest by February 2012.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 6272-1:2004.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of ISO 6272-1:2011 has been approved by CEN as a EN ISO 6272-1:2011 without any modification.

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I.S. EN ISO 6272-1:2011
**INTERNATIONAL
STANDARD**

**ISO
6272-1**

Second edition
2011-08-15

**Paints and varnishes — Rapid-
deformation (impact resistance) tests —**

Part 1:

Falling-weight test, large-area indenter

Peintures et vernis — Essais de déformation rapide (résistance au choc) —

Partie 1: Essai de chute d'une masse avec pénétrateur de surface importante



Reference number
ISO 6272-1:2011(E)

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Published in Switzerland

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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 2.

The main task of technical committees is to prepare International Standards. 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 document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 6272-1 was prepared by Technical Committee ISO/TC 35, *Paints and varnishes*, Subcommittee SC 9, *General test methods for paints and varnishes*.

This second edition cancels and replaces the first edition (ISO 6272-1:2002), which has been technically revised. The main technical changes are as follows:

- a) in the description of the guide tube (see 4.1.3) and in Figure 1, the play permitted between the guide tube and the falling weight has been changed;
- b) a “principle” clause has been added;
- c) the test is no longer carried out at a specified relative humidity; instead, the relative humidity is simply recorded but the test has to be completed within a specified length of time after conditioning the test panels;
- d) the supplementary test conditions (formerly Annex A) have been incorporated in the test report.

ISO 6272 consists of the following parts, under the general title *Paints and varnishes — Rapid-deformation (impact resistance) tests*:

- *Part 1: Falling-weight test, large-area indenter*
- *Part 2: Falling-weight test, small-area indenter*

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