



**NSAI**  
Standards

Irish Standard  
I.S. EN ISO 19712-2:2013

Plastics - Decorative solid surfacing materials - Part 2: Determination of properties - Sheet goods (ISO 19712-2:2007)

## I.S. EN ISO 19712-2:2013

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English Version

**Plastics - Decorative solid surfacing materials - Part 2:  
Determination of properties - Sheet goods (ISO 19712-2:2007)**

Plastiques - Matériaux décoratifs massifs de revêtement de surface - Partie 2: Détermination des propriétés - Produits en feuilles (ISO 19712-2:2007)

Kunststoffe - Dekorative Mineralwerkstoffe - Teil 2: Prüfverfahren - Plattenware (ISO 19712-2:2007)

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**Contents**

Page

**Foreword.....3**

## **Foreword**

The text of ISO 19712-2:2007 has been prepared by Technical Committee ISO/TC 61 "Plastics" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 19712-2:2013 by Technical Committee CEN/TC 249 "Plastics" the secretariat of which is held by NBN.

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of an identical text or by endorsement, at the latest by July 2013, and conflicting national standards shall be withdrawn at the latest by July 2013.

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.

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### **Endorsement notice**

The text of ISO 19712-2:2007 has been approved by CEN as a EN ISO 19712-2:2013 without any modification.

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**Plastics — Decorative solid surfacing  
materials —**

Part 2:  
**Determination of properties — Sheet  
goods**

*Plastiques — Matériaux décoratifs massifs de revêtement de surface —  
Partie 2: Détermination des propriétés — Produits en feuilles*



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# Contents

Page

<b>Foreword</b> .....	<b>iv</b>
<b>Introduction</b> .....	<b>v</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>2</b>
<b>4 Cleaning the test specimen surface</b> .....	<b>2</b>
<b>5 Surface defects</b> .....	<b>3</b>
<b>6 Consistency of colour</b> .....	<b>3</b>
<b>7 Load test</b> .....	<b>5</b>
<b>8 Resistance to impact by large-diameter ball</b> .....	<b>7</b>
<b>9 Lightfastness</b> .....	<b>10</b>
<b>10 Stain/chemical-resistance test</b> .....	<b>15</b>
<b>11 Resistance to cigarette burns</b> .....	<b>23</b>
<b>12 Resistance to dry heat</b> .....	<b>31</b>
<b>13 Resistance to wet heat</b> .....	<b>37</b>
<b>14 Hot/cold-cycle water-resistance test</b> .....	<b>40</b>
<b>15 Hardness</b> .....	<b>41</b>
<b>16 Ability to be renewed</b> .....	<b>41</b>
<b>Bibliography</b> .....	<b>42</b>

## 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 19712-2 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 11, *Products*.

ISO 19712 consists of the following parts, under the general title *Plastics — Decorative solid surfacing materials*:

- *Part 1: Classification and specifications*
- *Part 2: Determination of properties — Sheet goods*
- *Part 3: Determination of properties — Solid surface shapes*

## **Introduction**

This part of ISO 19172 is intended for use by manufacturers, installers and specifiers of solid surfacing materials.

The test methods and minimum performance values presented have been related as closely as possible to end-use applications. The fabrication techniques employed may, however, have a bearing on product performance and service.

The performance requirements include impact resistance, structure, renewability, colourfastness, cleanability, stain resistance, water resistance, chemical resistance, bacterial and fungal resistance, and other significant properties.



# Plastics — Decorative solid surfacing materials —

## Part 2: Determination of properties — Sheet goods

**SAFETY STATEMENT** — Persons using this document should be familiar with normal laboratory practice, if applicable. This document does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user to establish appropriate safety and health practices and to ensure compliance with any regulatory conditions.

### 1 Scope

This part of ISO 19712 specifies the methods of test for determination of the properties of solid surfacing materials, as defined in Clause 3, in the form of sheets. These methods are primarily intended for testing the materials specified in ISO 19712-1.

The tests may be carried out on finished sheets, but are generally carried out on test specimens of a size sufficient to meet the requirements of the test, and of the same material and finish as the finished sheet.

### 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 105-A02, *Textiles — Tests for colour fastness — Part A02: Grey scale for assessing change in colour*

ISO 105-B02, *Textiles — Tests for colour fastness — Part B02: Colour fastness to artificial light: Xenon arc fading lamp test*

ISO 209:2007, *Aluminium and aluminium alloys — Chemical composition*

ISO 1770, *Solid-stem general purpose thermometers*

ISO 2039-1, *Plastics — Determination of hardness — Part 1: Ball indentation method*

ISO 2039-2, *Plastics — Determination of hardness — Part 2: Rockwell hardness*

ISO 3668, *Paints and varnishes — Visual comparison of the colour of paints*

ISO 4211:1979, *Furniture — Assessment of surface resistance to cold liquids*

ISO 4892:1981, *Plastics — Methods of exposure to laboratory light sources*<sup>1)</sup>

ISO 4892-1, *Plastics — Methods of exposure to laboratory light sources — Part 1: General guidance*

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1) Withdrawn, but still used in certain Asian countries.

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