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NSAI Standards

Irish Standard
I.S. EN ISO 13894-1:2015

High-pressure decorative laminates - Composite elements - Part 1: Test methods (ISO 13894-1:2000)

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 13894-1

April 2015

ICS 83.140.20; 97.150

English Version

High-pressure decorative laminates - Composite elements - Part 1: Test methods (ISO 13894-1:2000)

Stratifiés décoratifs haute pression - Éléments composites - Partie 1: Méthodes d'essai (ISO 13894-1:2000)

Dekorative Hochdruck-Laminate - Verbundelemente - Teil 1: Prüfverfahren (ISO 13894-1:2000)

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Foreword

The text of ISO 13894-1:2000 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 13894-1:2015 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of an identical text or by endorsement, at the latest by October 2015, and conflicting national standards shall be withdrawn at the latest by October 2015.

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INTERNATIONAL STANDARD

ISO 13894-1

First edition
2000-03-15

High-pressure decorative laminates — Composite elements —

Part 1: Test methods

Stratifiés décoratifs haute pression — Éléments composites —

Partie 1: Méthodes d'essai

Reference number
ISO 13894-1:2000(E)

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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.

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International Standard ISO 13894-1 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 11, *Products*.

ISO 13894 consists of the following parts, under the general title *High-pressure decorative laminates — Composite elements*:

— *Part 1: Test methods*

— *Part 2: Specification of wood-based HPDL elements*

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High-pressure decorative laminates — Composite elements —

Part 1:
Test methods

1 Scope

This part of ISO 13894 specifies the methods of test for determination of the properties of composite elements surfaced, and possibly edged, with high-pressure decorative laminate (HPDL) as defined in clause 3.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO 13894. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO 13894 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid part of ISO 13894.

ISO 1478:1999, *Tapping screw thread.*

ISO 4586-1:1997, *High-pressure decorative laminates — Sheets made from thermosetting resins — Part 1: Classification and specifications*.

ISO 4586-2:1997, *High-pressure decorative laminates — Sheets made from thermosetting resins — Part 2: Determination of properties*.

ISO 7170:1993, *Furniture — Storage units — Determination of strength and durability*.

3 Terms and definitions

For the purposes of this part of ISO 13894, the following terms and definitions apply.

3.1
composite element surfaced with high-pressure decorative laminate
a composite board produced by adhesively bonding high-pressure decorative laminate (HPDL) sheet material to one or both sides of a substrate

NOTE 1 The substrate may be a wood-based product (e.g. particle board), mineral board (e.g. calcium silicate), metal sheet, expanded honeycomb or a plastic material.

NOTE 2 Examples of adhesives are PVAc, urea formaldehyde and polychloroprene.

NOTE 3 Certain tests contained in this part of ISO 13894 are not applicable to all types of composite element.

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