



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 717-3:1996

ICS 79.060.20

**WOOD-BASED PANELS - DETERMINATION
OF FORMALDEHYDE RELEASE - PART 3 :
FORMALDEHYDE RELEASE BY THE FLASK
METHOD**

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Údarás um Chaighdeáin Náisiúnta na hÉireann

DECLARATION

OF

SPECIFICATION

ENTITLED

**WOOD-BASED PANELS - DETERMINATION OF FORMALDEHYDE RELEASE - PART 3 :
FORMALDEHYDE RELEASE BY THE FLASK METHOD**

AS

THE IRISH STANDARD SPECIFICATION FOR

**WOOD-BASED PANELS - DETERMINATION OF FORMALDEHYDE RELEASE - PART 3 :
FORMALDEHYDE RELEASE BY THE FLASK METHOD**

Forfás in exercise of the power conferred by section 20 (3) of the Industrial Research and Standards Act, 1961 (No. 20 of 1961) and the Industrial Development Act, 1993 (No. 19 of 1993), and with the consent of the Minister for Enterprise and Employment, hereby declares as follows:

1. This instrument may be cited as the Standard Specification (Wood-based panels - Determination of formaldehyde release - Part 3 : Formaldehyde release by the flask method) Declaration, 1996.
2. (1) The Specification set forth in the Schedule to this declaration is hereby declared to be the standard specification for Wood-based panels - Determination of formaldehyde release - Part 3 : Formaldehyde release by the flask method. The Schedule comprises the text of EN 717-3 : 1996.

(2) The said standard specification may be cited as Irish Standard/EN 717-3:1996 or as I.S./EN 717-3:1996.

EUROPEAN STANDARD

EN 717-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 1996

ICS 79.060.20

Descriptors: wood products, wooden boards, determination, emission, formaldehyde, analysis methods

English version

**Wood-based panels - Determination of
formaldehyde release - Part 3: Formaldehyde
release by the flask method**

Panneaux à base de bois - Détermination du
dégagement de formaldéhyde - Partie 3:
Dégagement de formaldéhyde par la méthode au
bocal

Holzwerkstoffe - Bestimmung der
Formaldehydabgabe - Teil 3: Formaldehydabgabe
nach der Flaschen-Methode

This European Standard was approved by CEN on 1995-12-22. CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

The European Standards exist in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 112 "Wood-based panels", 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 september 1996, and conflicting national standards shall be withdrawn at the latest by september 1996.

This standard is one of a series which specifies methods for determining formaldehyde potential in or formaldehyde release from wood-based panels.

The other standards in this series are:

EN 120

Wood-based panels – Determination of formaldehyde content – Extraction method called the perforator method

EN 717-1

Wood-based panels – Determination of formaldehyde release – Part 1: Formaldehyde release by the chamber method¹⁾

EN 717-2

Wood-based panels – Determination of formaldehyde release – Part 2: Formaldehyde release by the gas analysis method

No existing European Standard is superseded.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxemburg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Introduction

The principle of the flask method for measuring the formaldehyde release has been published by Wilhelm-Klauditz-Institute (Roffael 1975). Thereafter, the method has been modified in different ways by many authors in several countries. After consideration of published work focusing on the method and its reliability, a temperature of 40 °C and a period of 3 h have been selected for this standard.

¹⁾ At present at the draft stage

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