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I.S. EN 13698-2:2009

# Pallet production specification - Part 2: Construction specification for 1000 mm x 1200 mm flat wooden pallets

## I.S. EN 13698-2:2009

*Incorporating amendments/corrigenda issued since publication:*

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English Version

## Pallet production specification - Part 2: Construction specification for 1000 mm x 1200 mm flat wooden pallets

Spécification de produit pour les palettes - Partie 2 :  
Spécification de fabrication des palettes plates en bois, de  
dimensions 1000 mm x 1200 mm

Produktspezifikation für Paletten - Teil 2: Herstellung von 1  
000 mm x 1 200 mm-Flachpaletten aus Holz

This European Standard was approved by CEN on 27 May 2009.

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## **Foreword**

This document (EN 13698-2:2009) has been prepared by Technical Committee CEN/TC 261 “Packaging”, the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by December 2009, and conflicting national standards shall be withdrawn at the latest by December 2009.

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## **Introduction**

Tests on the perimeter base pallet and over 30 years of experience with the skid pallet in through transit of goods, have demonstrated that these designs of pallet comply with the relevant dimensional requirements and appropriate tests specified in certain standards. This certifies that the quality of the pallet is suitable for normal purposes as regards the physical stresses involved in distribution and handling.

## 1 Scope

This European Standard specifies the manufacturing characteristics of flat re-usable wooden 1000 mm × 1200 mm, double deck, non-reversible, 4-way entry, 9 block skid and perimeter base pallets suitable for transport, storage, handling or exchange use. It also gives some requirements for manufacture and marking and addresses the issue of safety.

## 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.

EN 717-1, *Wood-based panels – Determination of formaldehyde release – Part 1: Formaldehyde emission by the chamber method*

EN 1087-1, *Particleboards – Determination of moisture resistance – Part 1: Boil test*

EN 1310:1997, *Round and sawn timber – Method of measurement of features*

EN 12246:1999, *Quality classification of timber used in pallets and packaging*

EN 13183-1, *Moisture content of a piece of sawn timber – Part 1: Determination by oven dry method*

EN 13183-2, *Moisture content of a piece of sawn timber – Part 2: Estimation by electrical resistance method*

EN 13382, *Flat pallets for materials handling – Principal dimensions*

EN ISO 445:1998, *Pallets for materials handling – Vocabulary (ISO 445:1996)*

EN ISO 8611-1:2004, *Pallets for materials handling – Flat pallets – Part 1: Test methods for flat pallets (ISO 8611-1:2004)*

ISO 3133, *Wood – Determination of ultimate strength in static bending*

## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN ISO 445:1998 and the following apply.

### 3.1

#### **stacking**

placing of pallets with unit loads, one upon the other, without recourse to intermediate shelves or racking

### 3.2

#### **nominal load**

reference load capacity, in kilograms, assuming an uniformly distributed load

### 3.3

#### **safe working load**

maximum load capacity, in kilograms, in a defined loading situation

### 3.4

#### **concentrated load**

load concentrated over an area between 30 % and 85 % of the pallet deck

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