

I.S. 241 : PART 1 : 1988



IRISH STANDARD

**PRESSED PARTICLE BOARDS
PART 1, WOOD PARTICLE BOARDS**

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DECLARATION

OF

SPECIFICATION

ENTITLED

PRESSED PARTICLE BOARDS

PART 1, WOOD PARTICLE BOARDS

AS

THE IRISH STANDARD SPECIFICATION FOR

PRESSED PARTICLE BOARDS

PART 1, WOOD PARTICLE BOARDS

EOLAS - The Irish Science and Technology Agency in exercise of the power conferred by section 20 (3) of the *Industrial Research and Standards Act, 1961* (No. 20 of 1961) and the *Science and Technology Act, 1987* (No. 30 of 1987), and with the consent of the Minister for Industry and Commerce, hereby declares as follows:

1. This instrument may be cited as the Standard Specification (Pressed Particle Boards, Part 1, Wood Particle Boards) Declaration, 1988.

2. (1) The Specification set forth in the Schedule to this declaration is hereby declared to be the standard specification for *Pressed Particle Boards, Part 1, Wood Particle Boards*.

(2) The said standard specification may be cited as Irish Standard 241:Part 1:1988 or as I.S.241:Part 1:1988.

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Forword

This standard which has been in use for some years as a provisional Standard is now being published as a conventional standard. The technical requirements are generally unchanged with the exception that 3 extra thicknesses have been added; 28, 30 and 38 mm; that ordinary grade boards have been deleted, moisture resistant boards have been added, and other minor changes made. Properties appropriate to those thicker boards have been added to various tables in the standard. Other minor changes resulting from the addition of these thickness have been made. These thicker boards will not be available as flooring grade boards.

Many of the technical requirements of this standard are similar to those of B.S. 5669. Account has been taken of work done on board materials by Technical Committees of the International Organization for Standardization (ISO).

The demand for this standard came from the furniture industry and from various interests in the building industry. It is hoped that manufacturers will apply for the EOLAS standard mark for boards manufactured in accordance with this standard. The presence of the standard mark on a board will be an indication to the purchaser and user that it has been manufactured under a system of quality control supervised by NSAI.

Methods of test for the qualities specified in this part of the standard are covered in Part 2 of this standard. At present Part 2 includes some tests for which no criteria are laid down in Part 1.

Throughout this standard the term wood particle board is used rather than wood chipboard. Particle board is the term used by the International Organization for Standardization. Since wood particle board is used for many applications other than building it is required in a multiplicity of sizes and hence sizes have not been specified except where particle board is produced for use in dimensionally co-ordinated buildings. This part of the specification covers only requirements for particle board manufactured from wood particles.

Wood particle boards are made in a wide range of densities, but the greater part of production at the present time is of density between 550 kg/m³ and 750 kg/m³. As it is the values of properties themselves rather than density which are important, this standard does not specify a minimum density. In general boards of higher density perform better but on the other hand very high densities may not be desirable for certain uses where the user may require a high level of performance in a limited number of properties only.

As far as possible the requirements specified refer to the quality of production as a whole and, for certain characteristics listed in the various Tables, are defined in terms of an average value within a defined range for each property.

Compliance with the requirements may be verified, either:

- (1) by reference to the manufacturer's quality control charts,
- or,

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