
International Standard



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Coniferous and broadleaved sawn timber — Transportation packages

Sciages de bois résineux et feuillus — Paquets pour le transport

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Descriptors : wood, sawn timber, broadleaved timber, coniferous timber, cargo transportation, packages, specifications, dimensions, marking.

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been authorized 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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 4472 was developed by Technical Committee ISO/TC 55, *Sawn timber and sawlogs*, and was circulated to the member bodies in July 1981.

It has been approved by the member bodies of the following countries :

Austria	France	Poland
Belgium	Germany, F.R.	Romania
Brazil	Hungary	Sri Lanka
Canada	India	Tanzania
Cuba	Italy	USSR
Czechoslovakia	Netherlands	Yugoslavia
Finland	Norway	

The member bodies of the following countries expressed disapproval of the document on technical grounds :

South Africa, Rep. of
Sweden

Coniferous and broadleaved sawn timber — Transportation packages

1 Scope and field of application

This International Standard specifies requirements for packages and multipackages of square-edged and unedged, planed and unplaned coniferous and broadleaved sawn timber.

2 Definitions (see the figure)

2.1 package : A transportation or storage unit consisting of rows and piles of sawn timber, stickers and strapping.

2.2 multipackage : A transportation or storage unit consisting of several packages of sawn timber, stickers and strapping.

2.3 sticker : A flat joining element in the package, consisting of wood or other material which ensures the joining of sawn timber in the package, the stability of the form, and which does not cause a harmful effect on the sawn timber. In a multipackage, stickers serve as separating elements.

2.4 strapping : An element ensuring stability of the shape and construction of the package (or multipackage).

2.5 wrapper : An element ensuring protection against atmospheric effects and soiling.

3 Composition

3.1 Packages may consist of sawn timber of one or several species of wood, one or several grades, one thickness, one or several widths, and one or several lengths, according to the contract.

3.2 Multipackages shall be made up of packages complying with the requirements of 3.1 and 4.1. They shall contain packages of the same height, of the same or different composition, but belonging to the same lot.

4 Dimensions and mass

4.1 The cross-sectional dimensions of packages and multipackages shall comply with the requirements of the table.

4.2 The length of a package shall be determined by the maximum length of the packaged timber and, in the case of packaged sawn timber of several lengths, by the length of the longest sawn timber. The length of a multipackage shall be determined by the maximum length of the packages.

4.3 The mass of a package (or multipackage) shall be determined by multiplying the volume of the sawn timber in the package (or multipackage) by the mass of 1 m³ of the wood at the time of shipment.

Cross-sectional dimensions of packages mm		Number of packages in multipackage		Cross-sectional dimensions of multipackages mm	
Width	Height	In width	In height	Width	Height
1 250 to 1 350	1 250 to 1 450	2	2	2 500 to 2 700	2 550 to 2 950
1 250 to 1 350	600 to 700	2	2	2 500 to 2 700	1 250 to 1 450
1 000 to 1 200	1 000 to 1 200	2	2	2 000 to 2 400	2 050 to 2 450
1 000 to 1 200	500 to 600	1	2	1 000 to 1 200	1 050 to 1 250
800 to 900	800 to 900	3	3	2 400 to 2 700	2 500 to 2 800
500 to 650	500 to 625	2	2	1 000 to 1 300	1 050 to 1 300

NOTES

- The specified heights for multipackages allow the use of stickers of thickness 50 mm. Stickers of greater thickness may be used provided that the specified heights are maintained.
- The table specifies ranges for the maximum dimensions of packages and multipackages.
- It is permissible to use other cross-sectional dimensions for packages and multipackages for internal national transfers, depending on local conditions.

5 Form and construction

5.1 Packages (or multipackages) shall have a rectangular cross-section, one or both ends being even.

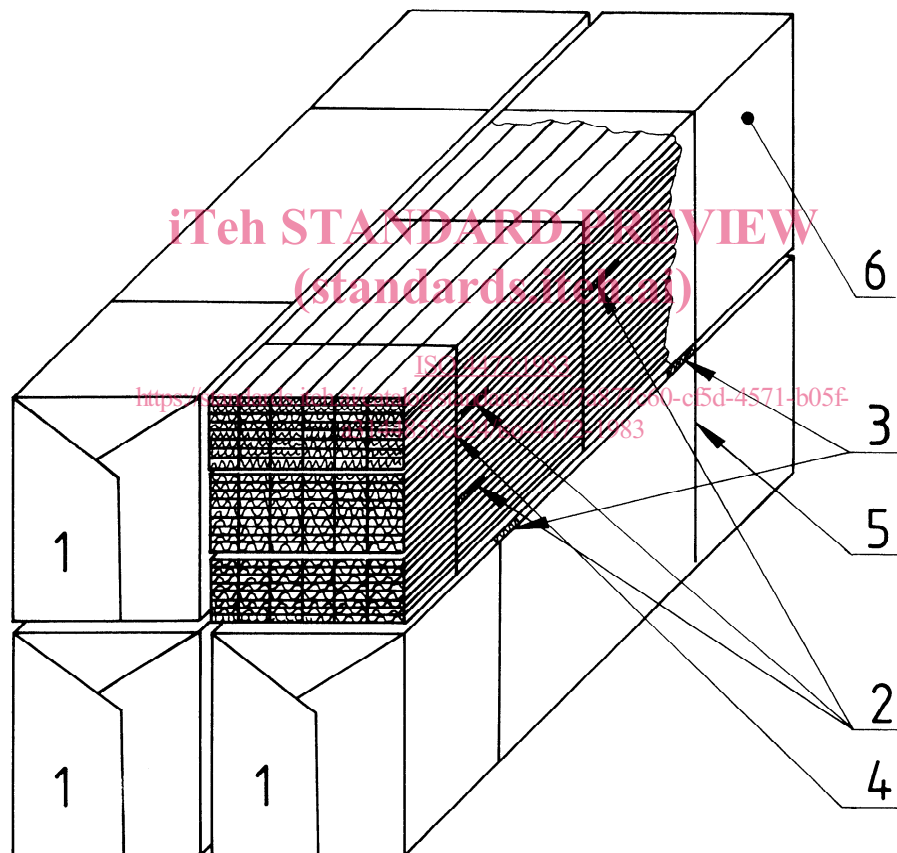
5.2 The dimensions, number and location of stickers and strappings shall ensure the form, integrity and stability of the packages and multipackages, to facilitate mechanical handling. Stickers and strappings shall not damage sawn timber.

5.3 If a wrapper is to be used for a package (or multipackage), its type shall be established by agreement between the parties concerned.

6 Identification (marking)

6.1 Each package (or multipackage) shall have an identification tag or mark to indicate the lot and the package (or multipackage) number.

6.2 The tag shall be located on one of the end surfaces and the mark shall be on the top and/or right-hand side with respect to the even end of the package (or multipackage). If a wrapper is available, it shall bear the mark on its surface.



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|---|---|
| 1 Transportation package of sawn timber | 4 Strapping of the transportation package |
| 2 Sticker in the transportation package | 5 Strapping of the multipackage |
| 3 Sticker in the multipackage | 6 Wrapper of the transportation package |

Figure — Multipackage consisting of four transportation packages of sawn timber