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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 19536-2026

Plywood for container flooring

集装箱底板用胶合板

(English Translation)

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1 Application Scope

1 Application Scope

This Standard specifies the terms and definitions, classification, requirements, test methods, inspection rules and marking, packaging, transportation and storage of plywood for container flooring.

This Standard applies to plain or faced plywood which is generally used for container flooring, made of wood veneers or bamboo-based elements (such as bamboo curtain, bamboo mat and so on) and resistant to insects, corrosion and weathering.

2 Normative References

The following referenced documents are indispensable for the application of this document. For dated references, only the edition dated applies to this document. For undated references, the latest edition of the referenced document (including any amendments) applies to this Standard.

GB/T 1413-2008, Series 1 freight Containers - Classification, Dimensions and Ratings

GB/T 2828.1-2012, Sampling Procedures for Inspection by Attributes - Part 1.

Sampling Schemes Indexed by Acceptance Quality Limit (AQL) for Lot-by-lot Inspection

GB/T 9846.2-2004, Plywood - Part 2: Tolerances on Dimensions GB/T 17657, Test Methods

of Evaluating the Properties of Wood-based Panels and Surface Decorated Wood-based

Panels GB/T 18259-2009, Terms of Wood-based Panel and Its Surface Decoration GB/T

19367-2009, Wood-based Panels - Determination of Dimensions of Panels ISO

1496-1:2013, Series 1 Freight Containers - Specification and Testing - Part 1.

General Cargo Containers for General Purposes

3 Terms and Definitions

Those defined in GB/T 18259-2009 and the following terms and definitions apply to this document.

plywood for container flooring plywood which is generally used for container flooring, made of wood veneers or bamboo-based elements (such as bamboo curtains, bamboo mats and so on) and resistant to insects, corrosion and weathering 3.2 full-wood plywood for container flooring plywood for container flooring, which is made by bonding wood veneers, including plain plywood and faced plywood

4 Classification

4.1

It is divided into the following categories in accordance with materials.

4.2

It is divided into the following categories in accordance with surface treatment.

5.2 Insect prevention and corrosion prevention treatment

As agreed by the supplier and the purchaser.

5.3 Dimensions and dimensional deviations

5.3.1

Dimensions are as follows.

5.3.2

Dimensional deviations. the dimensional permissible deviations shall be as specified in Table 1.

5.4.1 Plain plywood for container flooring

The requirements for appearance quality of plain plywood for container flooring are specified in Table 2.

5.4.2 Faced plywood for container flooring

For the panel is faced on upper and lower surfaces, the requirements for surface quality are specified in Table 3.

5.6 Bottom strength of container

As specified in the requirements of bottom strength test in ISO 1496-1:2013. It can also be tested in accordance with other test loads required by the purchaser.

6.1 Dimensional inspection

6.1.1

The measurement of thickness, length and width is specified in 8.1 and 8.2 of GB/T 19367-2009.

6.1.2

The measurement of edge straightness is specified in 8.4 of GB/T 19367-2009.

6.2 Appearance quality inspection

6.2.1

Appearance quality is generally determined through visual inspection.

6.2.2 It can be determined with Vernier caliper or steel measure tape or filler gauge

if necessary.

6.3.3 Water content test

As specified in the water content measurement of GB/T 17657. The water content of sample to be tested is the arithmetic mean value of the densities of three test pieces, accurate to 0.1%.

6.3.6.1 Principle

Determine the maximum load borne by test pieces over a specified span.

6.3.6.2 Apparatus

Including.

6.3.7.1 Principle

Determine the maximum load of test pieces within the elasticity range.

6.3.7.2 Apparatus

Universal mechanical tester, accurate to 10 N.

6.3.8 Bottom strength of container

Carry out the test as specified in ISO 1496-1:2013. When the purchaser has no special requirements, refer to Annex A for the simulated container underframe for the bottom strength test.

7.1 Inspection classification

7.1.1

The product inspection is divided into ex-factory inspection and type inspection.

7.1.3 Type inspection includes concentrated load, in addition to all items in ex-factory inspection.

7.1.4 In one of the following cases, type inspection shall be carried out.

7.1.5 The bottom strength test for container shall be carried out by container manufacturer.

7.2.1 Basic requirements

Take samples from the same batch of products for the product quality inspection for plywood for container flooring; carry out inspection for the samples one by one.

7.2.4 Mechanical property test

Take samples from each batch of products randomly. See Table 8 for the sampling plan.

7.3.1.1 If the mean values of density, water content, static bending strength, elasticity

modulus, short-span shear force and concentrated load of the samples for plywood for container flooring are as specified in the standards, then the performance of the batch of plywood is determined to be accepted, or else, it will be determined to be rejected.

7.3.2 If the appearance quality, dimensions and mechanical performance of products

are as specified, then the batch of products is determined to be accepted, or else, it is determined to be rejected.