TED 24 (23325) WC IS 6219: XXXX/ ISO 8611-1: 2021

September 2023

### **BUREAU OF INDIAN STANDARDS**

### DRAFT FOR COMMENTS ONLY

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### भारतीय मानक मसौदा

# सामग्री प्रबंधन के लिए पैलेट्स — फ्लैट पैलेट्स — परीक्षण विधियाँ (तीसरा पुनरीक्षण)

Draft Indian Standard

# PALLETS FOR MATERIALS HANDLING — FLAT PALLETS — TEST METHODS (Third Revision)

ICS: 55.180.20

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September 2023

Transport Packages, Packaging Codes and Pallets Sectional Committee, TED 24

#### NATIONAL FOREWORD

This draft Indian Standard which is identical with ISO 8611-1:2021 'Pallets for materials handling — Flat pallets — Part 1: Test methods' issued by International Organization for Standardization (ISO), will be adopted by the Bureau of Indian Standards on the recommendations of Transport Packages, Packaging Codes and Pallets Sectional Committee and approval of the Transport Engineering Division Council.

This standard was first published in 1971 covering test code for non-expendable flat timber pallets only. First revision of this standard was made in 1977 incorporating bending strength test. In the first revision, the tests for metal pallets were also incorporated. The second revision of this standard was taken up to align it with ISO/DIS 8611 'General purpose flat pallets for through transit of goods - Test methods' issued by the International Organization for Standardization (ISO). ISO DIS 8611 later got published as ISO 8611: 1991 and later was splitted into three parts by ISO TC 51 under the general title 'Pallets for materials handling — Flat pallets':

- a) ISO 8611-1:2021 Pallets for materials handling Flat pallets Part 1: Test methods;
- b) ISO 8611-2:2021 Pallets for materials handling Flat pallets Part 2: Performance requirements and selection of tests'; and
- c) ISO 8611-3:2011 Pallets for materials handling Flat pallets Part 3: Maximum working loads.

As Part 1 of ISO 8611 covers the Test Methods for Pallets, in order to align Indian standard with latest international practices, IS 6219 is being revised by adopting ISO 8611-1: 2021. The title of IS 6219 has also been aligned with ISO 8611-1:2021.

The text of ISO standard is proposed for publication as an Indian Standard without deviations. Certain terminologies and conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'.
- b) Comma (,) has been used as a decimal marker, while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard, references appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards, which are to be substituted in their respective places, are listed below along with their degree of equivalence for the editions indicated:

International Standard	Corresponding Indian Standard	Degree of Equivalence
ISO 445	IS 3971: 2019/ ISO 445: 2013	Identical under dual numbering
Pallets for materials handling	Pallets for materials handling -	
— Vocabulary	Vocabulary (Third Revision)	
ISO 2244	IS 7028 (Part 3): 2002/ISO 2244:	Identical under dual
Packaging — Complete,	2000	numbering
filled transport packages and		
unit loads — Horizontal	Performance tests for complete,	
impact tests	filled transport packages: Part 3	
	horizontal impact tests (Horizontal	
	Or Inclined Test, Pendulum Test)	
	(second Revision)	

The technical committee may review the provisions of following International Standards referred in this adopted standard and has decided that they are acceptable for use in conjunction with this standard:

International Standard	Title
ISO 8611-2: 2021	Pallets for materials handling — Flat pallets — Part 2:
	Performance requirements and selection of tests
ISO 12777-1	Methods of test for pallet joints — Part 1: Determination of
	bending resistance of pallet nails, other dowel-type fasteners
	and staples
EN 13183-2	Moisture content of a piece of sawn timber — Part 2: Estimation
	by electrical resistance method

Attention is drawn to the possibility that some of the elements of this standard may be the subject of patent rights. The Bureau of Indian Standards shall not be held responsible for identifying any or all such patent rights.

In reporting the result of a test or analysis made in accordance with this standard, if the final value, observed or calculated, is to be rounded off it shall be done in accordance with IS 2: 2022 'Rules for rounding off numerical values (*second revision*)'.

September 2023

#### **SCOPE**

This document specifies the test methods available for evaluating new flat pallets for materials handling.

The test methods are split into groups for:

- a) Nominal load testing;
- b) Maximum working load testing;
- c) Durability comparison testing.

This document does not apply to pallets with a fixed superstructure or a rigid, self-supporting container that can be mechanically attached to the pallet and which contributes to the strength of the pallet.

NOTE — Specific tests for determining load capacity do not replace the value of conducting field tests on specific pallet designs.

## FOR COMPLETE TEXT OF THE DOCUMENT KINDLY REFER ISO 8611-1:2021 or CONTACT:

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