

SLS 261 PART 2 : 1991

~~XXXX~~ Sri Lanka Standard

PLYWOOD FOR GENERAL PURPOSES
(FIRST REVISION)
PART 2 : SPECIFICATION FOR MANUFACTURE

199.78

SRI LANKA STANDARDS INSTITUTION

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FOREWORD

This standard was authorized for adoption and publication as a Sri Lanka Standard, by the Council of the Sri Lanka Standards Institution on 9/19/79, after the draft, finalized by the Drafting Committee on Plywood, had been approved by the Civil Engineering Divisional Committee.

Sri Lanka Standard specification for plywood for general purposes SLS 261 : 1974, provided for three grades of plywood based on the type of adhesive used, three classes of plywood based on species of timber, and six types of plywood depending upon the visual features of the face and back. SLS 261 : 1974 is now revised as Sri Lanka Standard Plywood for General Purposes, in three parts as follows :

- Part 1 Terminology;
- Part 2 Specification for manufacture; and
- Part 3 Methods of tests.

In this revision there are (a) four grades of plywood based on types of adhesive ; (b) ten types of plywood based on appearance of face and back; (c) two classes based on durability ; and (d) two categories based on species of timber.

This part of the standard (Part 2) deals with requirements for manufacture and specifies grades, types, classes, materials, manufacture, dimensions and tolerances, workmanship and finish, sampling and criteria for conformity, tests, a method of marking and delivery. Part 1 of this standard deals with terminology applicable to plywood. Part 3 of this standard specifies test methods related to plywood.

For the purpose of deciding whether a particular requirement of this part of the standard is complied with, the final value observed or calculated expressing the result of a test or an observation shall be rounded off in accordance with CS 102. The number of significant figures to be retained in the rounded off value shall be the same as that of the specified value in this standard.

The Sri Lanka Standards Institution gratefully acknowledges the use of relevant publications of the American Society for Testing and Materials, British Standards Institution, Bureau of Indian Standards and the Singapore Institute of Standards and Industrial Research, in the preparation of this standard.

1 SCOPE

This Part of the Standard covers the requirements for plywood for general purposes and does not deal with plywood panels for tea chests.

2 REFERENCES

- ASTM D 1758 Evaluating wood preservatives by field tests with stakes
- BS 4512 Methods of test for clear plywood
- CS 102 Presentation of numerical values
- SLS 428 Random sampling methods
- SLS 261 Plywood for general purposes, Part 1 - Terminology.
- SLS 261 Plywood for general purposes, Part 3 - Methods of test.

3 DEFINITIONS

For the purpose of this standard the definitions given in Part 1 of SLS 261 : 1990 shall apply.

4 GRADES,

4.1 Plywood for general purposes shall be of the following four grades depending upon the type of adhesive used for bonding the veneers :

- a) BWF grade, ie Boiling water proof grade ;
- b) BWR grade, ie Boiling water resistant grade;
- c) WWR grade, ie Warm water resistant grade ; and
- d) CWR grade, ie Cold water resistant grade.

4.1.1 BWP grade plywood shall be highly resistant to weather, micro-organism, cold and boiling water, steam and dry heat.

4.1.2 BWR grade plywood shall survive exposure to weather for only a few years. They will withstand cold water indefinitely and boiling water for a limited period. They are highly resistant to micro-organisms.

4.1.3 WWR grade plywood shall withstand cold water for a long period and hot water for a limited time, but may fail in the boiling water test. They are resistant to attack by micro-organisms.

4.1.4 CWR grade plywood shall be resistant to cold water but not to alternate wetting and drying. They have moderate resistance to micro-organisms.

NOTE -Appendix A gives some common applications of these grades of plywood. This is not to be considered as complete, but is presented to cover the more common uses of plywood for the guidance of the customer.