

Australian Standard™

**Timber—Finger joints in non-structural
products—Production requirements**



This Australian Standard was prepared by Committee TM-004, Glued Timber Products. It was approved on behalf of the Council of Standards Australia on 19 May 2006.

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The following are represented on Committee TM-004:

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Forest Industries Association of Tasmania
Forests NSW
Glued Laminated Timber Association
Monash University
New Zealand Adhesives Industry
New Zealand Forest Industries Council
New Zealand Timber Certification Board
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PREFACE

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee TM-004 Glued Timber Products. After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australian/New Zealand Standard.

The objective of this Standard is to specify minimum requirements for the manufacture of bonded finger joints in non-structural timber products.

The terms 'normative' and 'informative' have been used in this Standard to define the application of the appendix to which they apply. A 'normative' appendix is an integral part of a Standard, whereas an 'informative' appendix is only for information and guidance.

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STANDARDS AUSTRALIA

Australian Standard

Timber—Finger joints in non-structural products—Production requirements**1 SCOPE**

This Standard specifies minimum requirements for the manufacture of bonded finger joints in non-structural timber products. Requirements are also given for timber, adhesive, cutting, bonding, preservative treatments and flame-retardant treatments.

This Standard is only applicable to finger joints between timbers of the same species type.

This Standard sets out requirements to ensure that the integrity of finger joint is appropriate to its Service Class and application.

NOTE: This Standard should not be used for the manufacture of structural finger-jointed components required by building regulations to sustain defined loads, e.g., framing, handrails and balustrades, verandah posts, etc.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS/NZS

1604 Specification for preservative treatment (all Parts)

4364 Adhesives, phenolic and aminoplastic, for load-bearing timber structures—Classification and performance requirements

4491 Timber—Glossary of terms in timber related Standards

ASTM

D4688 Standard Test Method for Evaluating Structural Adhesives for Finger Jointing Lumber

BS

EN 204 Classification of thermoplastic wood adhesives for non-structural applications

ISO/IEC

Guide 2 Standardization and related activities—General vocabulary

3 DEFINITIONS

For the purposes of this Standard, the definitions given in AS/NZS 4491 and those below apply.

3.1 Dry timber density

The density of timber calculated on the basis of its mass and volume at 12% moisture content.

3.2 Equilibrium moisture content (EMAC)

The moisture content of timber at which the timber neither gains nor loses moisture while the conditions are maintained when subject to given conditions of humidity and temperature.