

## APPENDIX

### SUMMARY TABLES OF GRADE DESCRIPTIONS

(Informative)

The summary of the descriptions given in Tables 1 and 2 is not exhaustive and does not take the place of the requirements set out in this Standard. Reference should be made to the appropriate Sections of Australian Grading Standard for a complete description of the grades.

**TABLE 1**  
**SUMMARY OF NON-PERMISSIBLE FEATURES**

Surface	SELECT GRADE (SEL)	MEDIUM FEATURE GRADE—Standard (MF)	HIGH FEATURE GRADE (HF)
Any surface	<ul style="list-style-type: none"> <li>• Enclosed termite galleries</li> <li>• Heart shakes</li> <li>• Shakes</li> <li>• Cross-fractures, cross-shakes</li> <li>• Splits</li> <li>• End splits</li> <li>• Decay, primary rot</li> <li>• Lyctid-susceptible sapwood</li> </ul>	<ul style="list-style-type: none"> <li>• Enclosed termite galleries</li> <li>• Heart shakes</li> <li>• Shakes</li> <li>• Cross-fractures, cross-shakes</li> <li>• Splits</li> <li>• End splits</li> <li>• Decay, primary rot</li> <li>• Lyctid-susceptible sapwood</li> </ul>	<ul style="list-style-type: none"> <li>• Enclosed termite galleries</li> <li>• Heart shakes</li> <li>• Shakes</li> <li>• Cross-fractures, cross-shakes</li> <li>• Splits</li> <li>• End splits</li> <li>• Decay, primary rot</li> <li>• Lyctid-susceptible sapwood</li> </ul>
Any exposed surface	<ul style="list-style-type: none"> <li>• Loose knots</li> <li>• Loose gum veins</li> <li>• Gum pockets, latex pockets</li> <li>• Overgrowth of injury</li> <li>• Knot checks</li> <li>• Want and wane</li> <li>• Mechanical damage</li> <li>• Stain other than natural discolouration and discoloration of sapwood due to preservatives</li> <li>• Sticker marks</li> </ul>	<ul style="list-style-type: none"> <li>• Loose knots</li> <li>• Want and wane</li> <li>• Mechanical damage</li> <li>• Stain other than natural discolouration and discoloration of sapwood due to preservatives</li> <li>• Sticker marks</li> </ul>	<ul style="list-style-type: none"> <li>• Want and wane</li> <li>• Mechanical damage</li> <li>• Stain other than natural discolouration and discoloration of sapwood due to preservatives</li> <li>• Sticker marks</li> </ul>

**TABLE 2**  
**SUMMARY OF PERMISSIBLE FEATURES IN HARDWOOD PRODUCTS**

Feature	SELECT GRADE (SEL)	MEDIUM FEATURE GRADE— Standard (MF)	HIGH FEATURE GRADE (HF)	Concealed surface grade— for SEL, MF and HF grades
	On exposed surfaces			On concealed surfaces
Tight knots and any associated voids; individually or in aggregate in any 1 m of board length	<ul style="list-style-type: none"> <li>• Not exceeding 15 mm or 1/4 of the surface on which it occurs</li> </ul>	<ul style="list-style-type: none"> <li>• Not exceeding 40 mm or 1/3 of the surface on which it occurs</li> </ul>	<ul style="list-style-type: none"> <li>• Not exceeding 50 mm or 3/8 of the surface on which it occurs</li> </ul>	<ul style="list-style-type: none"> <li>• Not exceeding 1/3 of the surface on which it occurs; and</li> <li>• Not within 3 mm of any exposed surface</li> </ul>
Loose Knots	<ul style="list-style-type: none"> <li>• Not permitted</li> </ul>	<ul style="list-style-type: none"> <li>• Not permitted</li> </ul>	<ul style="list-style-type: none"> <li>• As for holes</li> </ul>	<ul style="list-style-type: none"> <li>• As for holes</li> </ul>
Holes (borer, non-enclosed termite galleries and other)				
(a) Length	<ul style="list-style-type: none"> <li>• Not exceeding the lesser of 15 mm or 1/4 of the surface on which it occurs</li> </ul>	<ul style="list-style-type: none"> <li>• Not exceeding the lesser of 40 mm or 1/3 of the surface on which it occurs</li> </ul>	<ul style="list-style-type: none"> <li>• Not exceeding the lesser of 50 mm or 3/8 of the surface on which it occurs</li> </ul>	—
(b) Width	<ul style="list-style-type: none"> <li>• Exceeding 2 mm— not permitted</li> <li>• Not exceeding 2 mm— <ul style="list-style-type: none"> <li>○ Boards of width up to and including 50 mm— <ul style="list-style-type: none"> <li>▪ 2 holes per 100 mm</li> <li>▪ 4 holes per 900 mm</li> </ul> </li> <li>○ Boards of width over 50 mm up to and including 100 mm— <ul style="list-style-type: none"> <li>▪ 5 holes per 100 mm</li> <li>▪ 10 holes per 900 mm</li> </ul> </li> <li>○ Boards of width over 100 mm— <ul style="list-style-type: none"> <li>▪ 8 holes per 100 mm</li> <li>▪ 16 holes per 900 mm</li> </ul> </li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Exceeding 3 mm—not permitted</li> <li>• Not exceeding 3 mm— <ul style="list-style-type: none"> <li>○ Boards of width up to and including 50 mm— <ul style="list-style-type: none"> <li>▪ 8 holes per 100 mm</li> <li>▪ 12 holes per 900 mm</li> </ul> </li> <li>○ Boards of width over 50 mm up to and including 100 mm— <ul style="list-style-type: none"> <li>▪ 16 holes per 100 mm</li> <li>▪ 24 holes per 900 mm</li> </ul> </li> <li>○ Boards of width over 100 mm— <ul style="list-style-type: none"> <li>▪ 24 holes per 100 mm</li> <li>▪ 36 holes per 900 mm</li> </ul> </li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Exceeding 10 mm, not permitted.</li> <li>• Exceeding 3 mm and not exceeding 10 mm—not more than 3 in any 1 metre length of board</li> <li>• Not exceeding 3 mm— <ul style="list-style-type: none"> <li>○ Boards of width up to and including 50 mm— <ul style="list-style-type: none"> <li>▪ 8 holes per 100 mm</li> <li>▪ 12 holes per 900 mm</li> </ul> </li> <li>○ Boards of width over 50 mm up to and including 100 mm— <ul style="list-style-type: none"> <li>▪ 16 holes per 100 mm</li> <li>▪ 24 holes per 900 mm</li> </ul> </li> <li>○ Boards of width over 100 mm — <ul style="list-style-type: none"> <li>▪ 24 holes per 100 mm</li> <li>▪ 36 holes per 900 mm</li> </ul> </li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Exceeding 10 mm— <ul style="list-style-type: none"> <li>○ loss of cross-section at any position in the length of the board not exceeding 1/5 of the cross-section; and</li> <li>○ Not within 3 mm of any exposed surface</li> </ul> </li> <li>• Exceeding 3 mm and not exceeding 10 mm—loss of cross-section at any position in the length of the board not exceeding 1/5 of the cross-section</li> <li>• Not exceeding 3 mm—unlimited</li> </ul>
Slope of grain	<ul style="list-style-type: none"> <li>• Not exceeding 1 in 8</li> </ul>	<ul style="list-style-type: none"> <li>• Not exceeding 1 in 8</li> </ul>	<ul style="list-style-type: none"> <li>• Not exceeding 1 in 8</li> </ul>	<ul style="list-style-type: none"> <li>• Not exceeding 1 in 8</li> </ul>

*(continued)*

**TABLE 2** (continued)

Feature	SELECT GRADE (SEL)	MEDIUM FEATURE GRADE— Standard (MF)	HIGH FEATURE GRADE (HF)	Concealed surface grade— for SEL, MF and HF grades
	On exposed surfaces			On concealed surfaces
Tight gum veins	<ul style="list-style-type: none"> <li>• Not exceeding—                             <ul style="list-style-type: none"> <li>○ surface width measured across the feature, 2 mm</li> <li>○ individual length, 250 mm</li> <li>○ aggregate length, 1/2 the length of the piece</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Quartersawn—surface width measured across the feature, not exceeding 5 mm</li> <li>• Backsawn—                             <ul style="list-style-type: none"> <li>○ extent across face unlimited</li> <li>○ surface width measured across the feature not exceeding 60 mm</li> <li>○ individual length not exceeding 1 m</li> <li>○ depth not exceeding 2 mm</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Quartersawn—surface width measured across feature, not exceeding 5 mm</li> <li>• Backsawn—                             <ul style="list-style-type: none"> <li>○ extent across face unlimited</li> <li>○ depth not exceeding 2 mm</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Quartersawn—surface width measured across feature, not exceeding 5 mm</li> <li>• Backsawn—                             <ul style="list-style-type: none"> <li>○ extent across face unlimited</li> <li>○ depth not exceeding 5 mm</li> </ul> </li> </ul>
Loose gum veins	<ul style="list-style-type: none"> <li>• Not permitted</li> </ul>	<ul style="list-style-type: none"> <li>• Not one surface to another</li> <li>• Not intersecting an end</li> <li>• Surface width measured across the feature—not exceeding 3 mm</li> <li>• Agg. length not exceeding 1/5 of the length of the piece</li> </ul>	<ul style="list-style-type: none"> <li>• Not one surface to another</li> <li>• Not intersecting an end</li> <li>• Surface width measured across the feature, not exceeding 3 mm</li> <li>• Agg. length not exceeding 1/5 of the length of the piece</li> </ul>	<ul style="list-style-type: none"> <li>• Not one surface to another</li> <li>• Not intersecting an end</li> <li>• Surface width measured across the feature, not exceeding 3 mm</li> <li>• Agg. length not exceeding 1/5 of the length of the piece</li> </ul>
Gum pockets, latex pockets and overgrowth of injury	<ul style="list-style-type: none"> <li>• Not permitted</li> </ul>	<ul style="list-style-type: none"> <li>• Not one surface to another</li> <li>• Surface width measured across the feature, not exceeding 10 mm</li> <li>• Length not exceeding 50 mm</li> <li>• Backsawn—depth not exceeding 2 mm</li> </ul>	<ul style="list-style-type: none"> <li>• Not one surface to another</li> <li>• Surface width measured across the feature, not exceeding 15 mm</li> <li>• Length not exceeding 75 mm</li> <li>• Backsawn—depth not exceeding 2 mm</li> </ul>	<ul style="list-style-type: none"> <li>• Not one surface to another</li> <li>• Length not exceeding 300 mm</li> <li>• Quartersawn—surface width measured across the feature, not exceeding 30 mm</li> <li>• Backsawn—depth not exceeding 5 mm</li> </ul>
Knot checks	<ul style="list-style-type: none"> <li>• Not permitted</li> </ul>	<ul style="list-style-type: none"> <li>• Width not exceeding 2 mm</li> </ul>	<ul style="list-style-type: none"> <li>• Width not exceeding 3 mm</li> </ul>	<ul style="list-style-type: none"> <li>• Width not exceeding 5 mm</li> </ul>
Checks other than internal (Note 1)	<ul style="list-style-type: none"> <li>• Width not exceeding 1 mm</li> <li>• Individual length not exceeding 250 mm</li> </ul>	<ul style="list-style-type: none"> <li>• Width not exceeding 2 mm</li> <li>• Individual length not exceeding 250 mm</li> </ul>	<ul style="list-style-type: none"> <li>• Width not exceeding 2 mm</li> </ul>	<ul style="list-style-type: none"> <li>• Width not exceeding 3 mm</li> </ul>
Stain (Note 2) Natural discolouration	<ul style="list-style-type: none"> <li>• Slight (Note 3)</li> </ul>	<ul style="list-style-type: none"> <li>• Unlimited</li> </ul>	<ul style="list-style-type: none"> <li>• Unlimited</li> </ul>	<ul style="list-style-type: none"> <li>• Unlimited</li> </ul>
Other discolouration including sticker marks	<ul style="list-style-type: none"> <li>• Not permitted</li> </ul>	<ul style="list-style-type: none"> <li>• Not permitted</li> </ul>	<ul style="list-style-type: none"> <li>• Not permitted</li> </ul>	<ul style="list-style-type: none"> <li>• Unlimited</li> </ul>
Black speck (Note 2)	<ul style="list-style-type: none"> <li>• Slight (Note 3)</li> </ul>	<ul style="list-style-type: none"> <li>• Unlimited</li> </ul>	<ul style="list-style-type: none"> <li>• Unlimited</li> </ul>	<ul style="list-style-type: none"> <li>• Unlimited</li> </ul>

**TABLE 2** (continued)

Feature	SELECT GRADE (SEL)	MEDIUM FEATURE GRADE— Standard (MF)	HIGH FEATURE GRADE (HF)	Concealed surface grade— for SEL, MF and HF grades
	On exposed surfaces			On concealed surfaces
Non-Lyctid-susceptible sapwood (which includes appropriately treated sapwood)	• Unlimited	• Unlimited	• Unlimited	• Unlimited
Burls	• Unlimited	• Unlimited	• Unlimited	• Unlimited
Hobnails	<ul style="list-style-type: none"> <li>• No significant colour variation—unlimited</li> <li>• Significant colour variation, width measured at right angles to board—not exceeding 15 mm</li> </ul>	<ul style="list-style-type: none"> <li>• No significant colour variation—unlimited</li> <li>• Significant colour variation, width measured at right angles to board—not exceeding 40 mm</li> </ul>	• Unlimited	• Unlimited
Wane, waney and mechanical damage	• Not permitted	• Not permitted	• Not permitted	<ul style="list-style-type: none"> <li>• Width not exceeding 1/3 of the width of the surface on which it occurs</li> <li>• Aggregate length not exceeding 300 mm</li> <li>• Not within 3 mm of any exposed surface</li> </ul>

NOTES:

- 1 Timber products purporting to comply with this Standard are graded visually. Some features such as internal checks cannot always be seen by the grader; therefore, it is considered inappropriate to include internal checks as part of the grading rules. After further profiling of the timber (often by another party), the previously unseen internal checks may be revealed on the surface of the newly profiled product. When this occurs, they should be assessed as 'checks other than internal' because they are now on the surface. Internal checks are not considered acceptable in some products and care should be exercised during drying to limit their occurrence.
- 2 When it is intended to apply a paint or similar pigmented finish to a product, then discolouration, stain or black speck need not be limited when agreed between the purchaser and supplier.
- 3 The interpretation of the word slight will depend on the species being graded. The word slight has been used, even though it is subjective, because of the difficulty in describing what is a small or trifling amount of a feature, which may create a visual impact on the product. The visual impact of colour variation within a board will depend on a number of factors. A 'slight' feature is considered not to have a large impact on the overall appearance. For example, a floor with considerable color variation between heartwood and sapwood may tolerate greater discolouration in some boards without affecting the overall appearance of the floor. In other instances where the timber is predominantly of one colour (particularly of a lighter tone), the contrast created by a small amount of discolouration within a board will heavily impact on the overall appearance and should not be considered slight.