

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL

Classification of Defects

In lieu of classification of defects identified in ASME MH1b-2000, Part 3, MANDATORY APPENDIX A3--B, Description of Growth-Related Defects Which Affect the Quality of Pallet Components, the following defect classifications will be used for the inspection of wood components, nails, and assembled pallets specified in ASME MH1b--2000, Part 9, Wood Pallets for Military Use

A) Wood Components:(Major Defects)

1. Incorrect wood species or "wood-species class" (see MH1, Part 3) (Requirements are listed in ASME MH1, Part 9)
2. Components not in accordance with requirements of ASME MH1, Part 3 para I-5 (Materials) and I-6 (Manufacture)
3. Incorrect stringer or block dimension(s)
4. Incorrect deckboard width or thickness dimension(s)
5. Fork notches and/or strapping slots missing or incorrectly placed, as specified
6. Brittlehart present (applicable to eucalyptus robusta species only)
7. Presence or evidence of insect infestation or decay
8. Deckboards not chamfered as specified
9. Wood components not completely free from bark

B) Nails : (Major Defects)

1. Helically-threaded-shank pallet nails not used (nails as specified in ASME, MH1, Part 3, Table 2 for multiple-use pallets)
2. incorrect length, shank diameter, head diameter, point, thread angle or number of flutes
3. Nails of incorrect hardness
4. Nails not in locations shown on drawings or of incorrect number

DR. BY J. Dressel	CHECK BY	TITLE CLASSIFICATION OF DEFECTS (PALLET)	DEFENSE LOGISTICS AGENCY DEFENSE SUPPLY CENTER PHILIDELPHIA
Approved ENGINEER: Tim Keller DATE: 11-22-00		UNLESS OTHERWISE STATED TOLERANCES SHALL BE FRAC D EC. A NG. DWG SIZE A SCALE: N/A	DWG. NO. 03204 CODE IDENT. NO 14153 SHEET 1 OF 2

C) Assembly: (Major Defects)

1. Pallets of improper class, type, size, or style
2. Pallets not square or flat within specified tolerances
3. Deckboards not spaced as specified
4. Stringers not of number or spacing as specified
5. Stringers and deckboards not connected (nailed) with the number of nails as specified
6. Nails not completely driven below surface of deckboards or nail points protruding
7. Pallets not treated with correct wood preservative, if specified
8. Incorrectly applied preservative
9. Incorrect or illegible marking information
10. Any allowable defect or combination of defects occurring in a location that impairs the strength and durability of the pallet
11. Moisture content of wood prior to preservation does not meet specification requirements
12. Moisture content of non-pressured treated wood pallets prior to shipping does not meet specification requirement

D) Disassembled Pallets Only: (Major Defects)

1. Pallet assembly instructions not included with bundle
2. Hardwood deckboards not predrilled, when required
3. Incorrect or illegible marking information
4. Incorrect moisture content (too high) per Part 9, Table 4

E) Assembly: (Minor Defects)

1. Incorrect deckboard length dimension(s)
2. Stringers (or blocks) not cut square on end, or protruding beyond deckboards after assembly
3. Defects or imperfections that interfere with the prescribed assembly
4. Through splits that exceed the width of component
5. Shake that equals the length of component
6. Deckboards not surfaced, where required (except for chamfers)
7. Interior deckboards not parallel to edge deckboards
8. Warp (that affects overall pallet dimensions)
9. Knots
10. Wane

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