

ThermoryUSA

This section includes editing notes to assist the user in editing the section to suit project requirements. These notes are included as hidden text, and can be revealed or hidden by the following method in Microsoft Word:

Display the FILE tab on the ribbon, click OPTIONS, then DISPLAY. Select or deselect HIDDEN TEXT.

This guide specification section has been prepared by ThermoryUSA for use in the preparation of a project specification section covering Thermory thermally modified Ash wood for use as exterior decking, porch flooring, steps, and railings. Thermory decking can be used in exterior or interior locations, and can be installed using hidden clips, PaCS press-and-click system, or visible fasteners, depending on the profile. All Thermory products are available unoiled or pre-oiled.

ThermoryUSA also provides guide specifications for the following Thermory thermally modified wood products:

Section 06 15 00-2 – Thermally Modified Wood Decking (Pine)

Section 06 15 00-3 – Thermally Modified Wood Decking (Spruce)

Section 06 20 00 – Thermally Modified Finish Carpentry

Section 07 46 23 – Thermally Modified Wood Cladding.

Section 09 78 26 – Thermally Modified Wood Wall and Ceiling Cladding.

The following should be noted in using this specification:

Hypertext links to manufacturer websites are included after manufacturer names to assist in product selection and further research. Hypertext links are shown in blue text, e.g.:

www.acme.com

Optional text requiring a selection by the user is enclosed within brackets and shown in red text, e.g.:
AColor: [Red.] [Black.]"

Items requiring user input are enclosed within brackets and shown in red text, e.g.: "Section [_ _ _ - _____]."

Optional paragraphs are separated by an "OR" statement shown in red text, e.g.:

**** OR ****

For assistance in the use of products in this section, contact Thermory USA by calling 585-250-4074 or visit their website at www.thermoryusa.com.

This specification has been prepared based on SimpleSpecs™ specification templates. SimpleSpecs™ Master Guide Specification system comprises a full architectural master specification that can be used to specify all project requirements. For additional information visit www.zerodocs.com.

SECTION 06 15 00 – THERMALLY MODIFIED WOOD DECKING

PART 1 GENERAL

1.1 SUBMITTALS

- A. Action Submittals:
1. Product Data: Manufacturer's descriptive data and product attributes for wood materials.
 2. Samples: [Selection samples.] [Verification samples.]

1.2 SYSTEM DESCRIPTION

- A. Design Requirements:
1. Design and install **[guard rails and handrails]** to resist following without damage or permanent set:
 - a. **[50] []** pounds per linear foot load applied in any direction at top, transferred via attachments and supports to building structure.
 - b. Concentrated **[200] []** pound load applied in any direction at any point along top, transferred via attachments and supports to building structure.
 - c. Maximum deflection under loading: **[L/120.] []**

1.3 QUALITY ASSURANCE

- A. Installer Qualifications: Firm specializing in work of this Section, with minimum **[2] []** years' experience.
- B. Mockup: Minimum **[] x []** feet. Approved mockup **[may] [may not]** remain as part of the Work.
- C. Slip Resistance: Average dynamic coefficient of friction of 0.44, tested to ANSI A137.1/A326.3 in wet condition.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Contract Documents are based on products by ThermoryUSA, www.thermoryusa.com.
- B. Substitutions: **[Refer to Division 01.] [Not permitted.]**

2.2 MATERIALS

Retain the following for 1 x 4 inch White Ash decking installed with hidden clips.

- A. Thermally Modified Wood Decking:
1. Species: White Ash.
 2. Nominal size: 1 x 4 inches.
 3. Actual size: 0.79 x 3.7 inches.
 4. Coverage: 3.7 inches.
 5. Profile: Grooved edges, joint end matched (JEM).
 6. Color: Exotic Brown.
 7. Surface texture: Smooth.
 8. Finish: **[Unoiled.] [Pre-oiled with Cutek Extreme.]**

Retain the following when a Class B fire hazard classification is required.

9. Fire hazard classification: Class B flame spread/smoke developed rating, tested to ASTM E84.
10. Installation type: Hidden.
11. Installation method: T4 clips.

****** OR ******

Retain the following for 1 x 4 inch White Ash decking installed with screws.

- B. Thermally Modified Wood Decking:
1. Species: White Ash.
 2. Nominal size: 1 x 4 inches.
 3. Actual size: 0.79 x 3.7 inches.

4. Coverage: 3.7 inches.
5. Profile: Grooved edges, joint end matched (JEM).
6. Color: Exotic Brown.
7. Surface texture: Smooth.
8. Finish: [Unoiled.] [Pre-oiled with Cutek Extreme.]

Retain the following when a Class B fire hazard classification is required.

9. Fire hazard classification: Class B flame spread/smoke developed rating, tested to ASTM E84.
10. Installation type: Visible.
11. Installation method: [Screws.] [Starborn Pro Plug System.]

**** OR ****

Retain the following for 1 x 6 inch White Ash decking installed with hidden clips.

- C. Thermally Modified Wood Decking
 1. Species: White Ash.
 2. Nominal size: 1 x 6 inches.
 3. Actual size: 0.79 x 5.2 inches.
 4. Coverage: 5.2 inches.
 5. Profile: Grooved edges, joint end matched (JEM).
 6. Color: Exotic Brown.
 7. Surface texture: Smooth.
 8. Finish: [Unoiled.] [Pre-oiled with Cutek Extreme.]

Retain the following when a Class B fire hazard classification is required.

9. Fire hazard classification: Class B flame spread/smoke developed rating, tested to ASTM E84.
10. Installation type: Hidden.
11. Installation method: T6 clips.

**** OR ****

Retain the following for 1 x 6 inch White Ash decking installed with screws.

- D. Thermally Modified Wood Decking
 1. Species: White Ash.
 2. Nominal size: 1 x 6 inches.
 3. Actual size: 0.79 inches thick x 5.2 inches wide.
 4. Coverage: 5.2 inches.
 5. Profile: Tongue and groove edge, joints end matched (JEM).
 6. Color: Exotic Brown.
 7. Surface texture: Smooth.
 8. Finish: [Unoiled.] [Pre-oiled with Cutek Extreme.]

Retain the following when a Class B fire hazard classification is required.

9. Fire hazard classification: Class B flame spread/smoke developed rating, tested to ASTM E84.
10. Installation type: Visible.
11. Installation method: [Screws.] [Starborn Pro Plug System.]

**** OR ****

Retain the following for 1 x 6 inch Max White Ash decking installed with hidden clips.

- E. Thermally Modified Wood Decking:
 1. Species: White Ash.

2. Nominal size: 1 x 6 inches.
3. Actual size: 0.79 inches thick x 5.9 inches wide.
4. Coverage: 5.9 inches.
5. Profile: Tongue and groove edges, joint end matched (JEM).
6. Color: Exotic Brown.
7. Surface texture: Smooth.
8. Finish: [Unoiled.] [Pre-oiled with Cutek Extreme.]

Retain the following when a Class B fire hazard classification is required.

9. Fire hazard classification: Class B flame spread/smoke developed rating, tested to ASTM E84.
10. Installation type: Hidden.
11. Installation method: T6 clips.

**** OR ****

Retain the following for 1 x 6 inch Max White Ash decking installed with screws.

- F. Thermally Modified Wood Decking:
1. Species: White Ash.
 2. Nominal size: 1 x 6 inches.
 3. Actual size: 0.79 inches thick x 5.9 inches wide.
 4. Coverage: 5.9 inches.
 5. Profile: Tongue and groove edges, joint end matched (JEM).
 6. Color: Exotic Brown.
 7. Surface texture: Smooth.
 8. Finish: [Unoiled.] [Pre-oiled with Cutek Extreme.]

Retain the following when a Class B fire hazard classification is required.

9. Fire hazard classification: Class B flame spread/smoke developed rating, tested to ASTM E84.
10. Installation type: Visible.
11. Installation method: [Screws.] [Starborn Pro Plug System.]

**** OR ****

Retain the following for 5/4 x 4 inch White Ash decking installed with hidden clips.

- G. Thermally Modified Wood Decking:
1. Species: White Ash.
 2. Nominal size: Nominally 5/4 x 4 inches.
 3. Actual size: 1.02 x 3.5 inches.
 4. Coverage: 3.5 inches.
 5. Profile: Grooved edges, joint end matched (JEM).
 6. Color: Exotic Brown.
 7. Surface texture: Smooth.
 8. Finish: [Unoiled.] [Pre-oiled with Cutek Extreme.]

Retain the following when a Class B fire hazard classification is required.

9. Fire hazard classification: Class B flame spread/smoke developed rating, tested to ASTM E84.
10. Installation type: Hidden.
11. Installation method: T4 clips.

**** OR ****

Retain the following for 5/4 x 4 inch White Ash decking installed with screws.

- H. Thermally Modified Wood Decking:
1. Species: White Ash.
 2. Nominal size: Nominally 5/4 x 4 inches.
 3. Actual size: 1.02 x 3.5 inches.
 4. Coverage: 3.5 inches.
 5. Profile: Square edges, joint end matched (JEM).
 6. Color: Exotic Brown.
 7. Surface texture: Smooth.
 8. Finish: [Unoiled.] [Pre-oiled with Cutek Extreme.]

Retain the following when a Class B fire hazard classification is required.

9. Fire hazard classification: Class B flame spread/smoke developed rating, tested to ASTM E84.
10. Installation type: Visible.
11. Installation method: [Screws.] [Starborn Pro Plug System.]

**** OR ****

Retain the following for 5/4 x 5 inch White Ash decking installed with hidden clips.

- I. Thermally Modified Wood Decking
1. Species: White Ash.
 2. Nominal size: Nominally 5/4 x 5 inches.
 3. Actual size: 1.02 x 4.5 inches.
 4. Coverage: 4.5 inches.
 5. Profile: Grooved edges, joint end matched (JEM).
 6. Color: Brown.
 7. Surface texture: Smooth.
 8. Finish: [Unoiled.] [Pre-oiled with Cutek Extreme.]

Retain the following when a Class B fire hazard classification is required.

9. Fire hazard classification: Class B flame spread/smoke developed rating, tested to ASTM E84.
10. Installation type: Hidden.
11. Installation method: Hidden clips.

**** OR ****

Retain the following for 5/4 x 5 inch White Ash decking installed with PaCS press-and-click system.

- J. Thermally Modified Wood Decking
1. Species: White Ash.
 2. Nominal size: 5/4 x 5 inches.
 3. Actual size: 1.02 x 4.65 inches.
 4. Coverage: 4.65 inches.
 5. Profile: Square edges, joint end matched (JEM), bottom grooved for PaCS system.
 6. Color: Exotic Brown.
 7. Surface texture: Smooth.
 8. Finish: [Unoiled.] [Pre-oiled with Cutek Extreme.]

Retain the following when a Class B fire hazard classification is required.

9. Fire hazard classification: Class B flame spread/smoke developed rating, tested to ASTM E84.
10. Installation type: Hidden.
11. Installation method: PaCS press-and-click system.

**** OR ****

Retain the following for 5/4 x 5 inch White Ash decking installed with screws.

- K. Thermally Modified Wood Decking:
1. Species: White Ash.
 2. Nominal size: 5/4 x 5 inches.
 3. Actual size: 1.02 x 4.5 inches.
 4. Coverage: 4.5 inches.
 5. Profile: Square edges, joint end matched (JEM).
 6. Color: Exotic Brown.
 7. Surface texture: Smooth.
 8. Finish: [Unoiled.] [Pre-oiled with Cutek Extreme.]

Retain the following when a Class B fire hazard classification is required.

9. Fire hazard classification: Class B flame spread/smoke developed rating, tested to ASTM E84.
10. Installation type: Visible.
11. Installation method: [Screws.] [Starborn Pro Plug System.]

**** OR ****

Retain the following for 5/4 x 6 inch White Ash decking installed with hidden clips.

- L. Thermally Modified Wood Decking:
1. Species: White Ash.
 2. Nominal size: 5/4 x 6 inches.
 3. Actual size: 1.02 x 5.1 inches.
 4. Coverage: 5.1 inches.
 5. Profile: Grooved edges, joint end matched (JEM).
 6. Color: Exotic Brown.
 7. Surface texture: Smooth.
 8. Finish: [Unoiled.] [Pre-oiled with Cutek Extreme.]

Retain the following when a Class B fire hazard classification is required.

9. Fire hazard classification: Class B flame spread/smoke developed rating, tested to ASTM E84.
10. Installation type: Hidden.
11. Installation method: T6 clips.

**** OR ****

Retain the following for 5/4 x 6 inch White Ash decking installed with screws.

- M. Thermally Modified Wood Decking:
1. Species: White Ash.
 2. Nominal size: 5/4 x 6 inches.
 3. Actual size: 1.02 x 5.1 inches.
 4. Coverage: 5.1 inches.
 5. Profile: Square edges, joint end matched (JEM).
 6. Color: Exotic Brown.
 7. Surface texture: Smooth.
 8. Finish: [Unoiled.] [Pre-oiled with Cutek Extreme.]

Retain the following when a Class B fire hazard classification is required.

9. Fire hazard classification: Class B flame spread/smoke developed rating, tested to ASTM E84.
10. Installation type: Visible.
11. Installation method: [Screws.] [Starborn Pro Plug System.]

**** OR ****

Retain the following for 5/4 x 6 inch Max White Ash decking with 5.7 inch coverage installed with hidden clips.

- N. Thermally Modified Wood Decking:
1. Species: White Ash.
 2. Nominal size: 5/4 x 6 inches.
 3. Actual size: 1.02 x 5.7 inches.
 4. Coverage: 5.7 inches.
 5. Profile: Grooved edges, joint end matched (JEM).
 6. Color: Exotic Brown.
 7. Surface texture: Smooth.
 8. Finish: [Unoiled.] [Pre-oiled with Cutek Extreme.]

Retain the following when a Class B fire hazard classification is required.

9. Fire hazard classification: Class B flame spread/smoke developed rating, tested to ASTM E84.
10. Installation type: Hidden.
11. Installation method: T6 clips.

**** OR ****

Retain the following for 5/4 x 6 inch Max White Ash decking with 5.7 inch coverage installed with screws.

- O. Thermally Modified Wood Decking:
1. Species: White Ash.
 2. Nominal size: 5/4 x 6 inches.
 3. Actual size: 1.02 x 5.7 inches.
 4. Coverage: 5.7 inches.
 5. Profile: Grooved edges, joint end matched (JEM).
 6. Color: Exotic Brown.
 7. Surface texture: Smooth.
 8. Finish: [Unoiled.] [Pre-oiled with Cutek Extreme.]

Retain the following when a Class B fire hazard classification is required.

9. Fire hazard classification: Class B flame spread/smoke developed rating, tested to ASTM E84.
10. Installation type: Visible.
11. Installation method: [Screws.] [Starborn Pro Plug System.]

**** OR ****

- P. Thermally Modified Wood Decking:
1. Species: White Ash.
 2. Nominal size: 2 x 4 inches.
 3. Actual size: 1.65 x 3.5 inches.
 4. Coverage: 3.5 inches.
 5. Profile: Square edges and ends.
 6. Color: Exotic Brown.
 7. Surface texture: Smooth.
 8. Finish: [Unoiled.] [Pre-oiled with Cutek Extreme.]

Retain the following when a Class B fire hazard classification is required.

9. Fire hazard classification: Class B flame spread/smoke developed rating, tested to ASTM E84.
10. Installation type: [Hidden.] [Visible.]
11. Installation method: [Eb-tye hidden biscuit fasteners.] [Screws.]

**** OR ****

Retain the following for 2 x 6 inch White Ash square edge decking installed with hidden fasteners.

- Q. Thermally Modified Wood Decking:
1. Species: White Ash.
 2. Nominal size: 2 x 6 inches.
 3. Actual size: 1.65 x 5.5 inches.
 4. Coverage: 5.5 inches.
 5. Profile: Square edges and ends.
 6. Color: Exotic Brown.
 7. Surface texture: Smooth.
 8. Finish: [Unoiled.] [Pre-oiled with Cutek Extreme.]

Retain the following when a Class B fire hazard classification is required.

9. Fire hazard classification: Class B flame spread/smoke developed rating, tested to ASTM E84.
10. Installation type: [Hidden.] [Visible.]
11. Installation method: [Eb-tye hidden biscuit fasteners.] [Screws.]

Retain the following for railings, handrails, and trim to match the decking.

- R. Thermally Modified Wood [Railings] [Handrails] [and] [Trim]: Same species, color, and finish as decking; square edge profile, sizes as indicated.

2.3 ACCESSORIES

- A. Hidden Clips: Decking manufacturer's standard.

**** OR ****

- B. PACS Press and Click System: Decking manufacturer's standard.

- C. Fasteners: Type 305 stainless steel screws.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Decking Installation Method: [Visible screws.] [Hidden clips.] [PACS press-and-clip system.]
- C. [Railing] [Handrail] [Steps] [and] [Trim] Installation Method: Face screws.
- D. Place decking to span two or more supports.
- E. Stagger decking end joints in adjacent rows.
- F. Anchor decking to supports.
- G. Install [railings] [handrails] [steps] [and] [trim] using face screw method.

END OF SECTION