

**SECTION 07 31 26
SLATE SHINGLES**

SPEC WRITER NOTE:

- 1. Use this section only for NCA projects.

PART 1 - GENERAL

1.1 DESCRIPTION

This section specifies slate shingles secured to wood or plywood sheathing.

1.2 RELATED WORK

- A. Flashing at projections through roof and other flashing: Section 07 60 00, FLASHING AND SHEET METAL.
- //B. Slate color: Section 09 06 00, SCHEDULE FOR FINISHES. //

1.3 INSTALLERS QUALIFICATIONS

Roofer shall be experienced in slate roofing work, and upon request, shall provide the names and addresses of three successfully completed, similar projects.

1.4 SUBMITTALS

- A. Submit in accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.
- B. Samples: Slate, not less than two, 300 mm (12 inches) square. Submit enough samples to show the range and extremes of color and texture.
- C. Certification: Certify that the roofer is experienced in slate roofing work. When required by the Resident Engineer, provide project names as specified in Paragraph, INSTALLERS QUALIFICATIONS.

1.5 WARRANTY

Warranty materials and workmanship are to be free from defects and leaks for two years in accordance with requirements of Article "Warranty of Construction", FAR clause 52.246-21.

1.6 APPLICABLE PUBLICATIONS

- A. The publications listed below form a part of this specification to the extent referenced. The publications are referenced in the text by the basic designation only.
- B. American Society for Testing and Materials (ASTM):
 - C406-10.....Roofing Slate
 - D226-09.....Asphalt Saturated Organic Felt Used in Roofing and Waterproofing
 - F1667-11.....Driven Fasteners: Nails, Spikes and Staples

PART 2 - PRODUCTS

SPEC WRITER NOTE: Make material requirements agree with applicable requirements specified in the referenced Applicable Publications. Update and specify only that which applies to the project.

2.1 MATERIALS

A. Slate

1. ASTM C406, Grade S-1, unfading having no ribbons exposed to weather. Pre-punched or drilled with two nail holes per slate.

//2. Slate shall match existing slate for color, size, exposure and texture. //

SPEC WRITER NOTE: If slate is not required to match existing slate, all architectural characteristics shall be specified, including size, thickness, face texture, color or color range. If the roof is specified or noted as "graduated" specify size and thickness ranges.

- B. Nails: ASTM F1667: Hard copper slating nails, 25 mm (one inch) longer than thickness of slate.
- C. Roofing Felt Underlayment: ASTM D226, Type II, asphalt saturated organic felt, without perforations, nominal 13.6 Kg (30 pounds).
- D. Roofers Plastic Cement: As manufactured for the purpose. Color shall match slate.

PART 3 - EXECUTION

SPEC WRITER NOTE: This specification is for slate secured to wood or plywood roof sheathing or roof deck. If the slate is to be secured to another material, edit the specification accordingly.

3.1 ROOFING FELT UNDERLAYMENT

- A. Place felt on a dry, sound deck with four inch end and side laps. Nail at five inch centers on laps. Lap in direction of flow.
- B. Extend felt 50 mm (two inches) or more onto sheet metal under slate and cement felt to sheet metal with roofers plastic cement.

3.2 INSTALLING SLATE

- A. Lay slate with standard three inch head lap, nail each slate with two nails concealed by the head laps.
- B. Provide an under eave starter course, match existing comb ridge, hips and valleys.

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