

Minnesota Department of Labor and Industry

Residential Roofer Content Outline

Effective in 2008
50 Scored Questions, 5 Pretest

I. General Roofing Principles and Estimating (4%)

- A. Requirements Specific to Roofers
 - 1. Bonding
 - 2. Code Edition
- B. Estimating
 - 1. Basic roofing math skills
 - 2. Determining pitch of roof
 - 3. Evaluating an existing roof system (number of layers)

II. Roof Deck Requirements (4%)

- A. Spaced Sheathing
- B. Thickness and Type of Sheathing

III. Underlayment (8%)

- A. Ice protection
- B. General Interlayment
- C. Half lap vs. 2-inch lap
- D. General Underlayment

IV. Pitched Roofs (22%)

- A. Asphalt Shingles
 - 1. Starter course
 - 2. Staples vs. Nails
 - 3. Overhang
 - 4. Attachment
- B. Wood Shingles and Shakes
 - 1. Grade of Wood
 - 2. Minimum deck slope
 - 3. Application
 - 4. Standard of material
 - 5. Overhang
- C. Tile and Slate
 - 1. Starter Course
 - 2. Underlayment
 - 3. Application
- D. Metal Roofs
 - 1. Compatibility of different metals
 - 2. Structural Systems
 - 3. Expansion and contraction
 - 4. Manufacturer installation requirements
 - 5. Attachment
- 6. Flashing

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V. Low-Sloped Roofs (6%)

- A. Rolled Roofing
- B. Membranes
- C. Built up
- D. Drainage

VI. Roofing Fasteners (16%)

- A. Types of Fasteners (nails, staples)
- B. Location of Fasteners
- C. Number of Fasteners

VII. Flashing (24%)

- A. Step Flashing
- B. Apron Flashing
- C. Counter Flashing
- D. Cricket/Saddle Flashing
- E. Valley Flashing
- F. Base and Cap Flashing
- G. Kick Out Flashing

VIII. Ventilation (12%)

- A. Installation of vents
- B. Types of vents
- C. Requirements

IX. Reroofing (4%)