

Carpentry & Building Construction

Chapter 22 Roofing & Gutters

Section 22.1 Assessment Answers

1. Roofing is the amount required to cover 100 sq. ft. of roof surface.
2. Coverage is the amount of weather protection provided by the overlapping of shingles. Exposure is the amount of a shingle that shows after installation.
3. Pneumatic nailers speed installation and reduce strain on the roofer's arm and hand.
4. There is a great risk of falling from the roof.
5. Reports will vary.

Section 22.2 Assessment Answers

1. delivering shingles to a roof and distributing them
2. Roll roofing or inverted shingles can be used.
3. A 5" exposure is typical.
4. For a closed valley (sometimes called a *woven valley*), strip shingles are interwoven to protect the valley from seepage.
5. 10%

Section 22.3 Assessment Answers

1. Spaced sheathing.
2. Undercourse grade.
3. Space shingles at least 1/4" apart to provide for expansion.
4. To ensure that shingles will lie flat and give maximum service, use only two nails to secure each one.
5. Reports will vary.

Section 22.4 Assessment Answers

1. formed-metal gutter and the half-round gutter
2. Corrugated downspouts are less likely to burst if plugged with ice.
3. at least 1 inch every 16 feet
4. Ferrules are short metal tubes placed between the inner and outer faces of the gutter.
5. 5"