



HOMEOWNER'S GUIDE: WHAT YOUR ROOF CONSISTS OF — AND HOW IT GETS INSTALLED

Your roof does more than just keep the rain out — it protects your home, improves energy efficiency, and adds curb appeal. But what exactly is your roof made of, and how is it installed?

This guide breaks down the layers that make up a typical residential roof and walks you through the key steps of the installation process so you can understand how it all works.



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(718) 225-0680

sealedtite18@gmail.com

1. The Layers of Your Roof

A roof isn't just shingles — it's a system of layers that work together to protect your home from weather, moisture, and temperature changes.

Decking (Sheathing)

- The **foundation layer** of your roof, usually made of plywood or oriented strand board (OSB).
- It's attached to the roof trusses or rafters and provides a solid base for the roofing materials above.

Underlayment

- A protective layer that goes over the decking before shingles are installed.
- Usually made from **asphalt-saturated felt** or **synthetic materials**, it adds a barrier against moisture and wind-driven rain.

Ice and Water Shield

- An optional but highly recommended waterproof membrane is installed along eaves, valleys, and other vulnerable areas.
- It helps prevent water damage caused by **ice dams** or heavy rain.

Flashing

- Thin sheets of metal (aluminum or galvanized steel) are placed around roof features like chimneys, vents, and skylights.
- Flashing directs water away from seams and prevents leaks.

Shingles (or Roofing Material)

- The outermost visible layer that provides weather protection and aesthetic appeal.
- Common types include:
 - **Asphalt shingles** (most popular and affordable)
 - **Metal roofing** (durable and long-lasting)
 - **Clay or concrete tiles** (stylish and heavy-duty)
 - **Wood shakes** (natural look, higher maintenance)

Ventilation Components

- Roof vents, ridge vents, or soffit vents allow air to circulate through the attic.
- Proper ventilation helps regulate temperature, prevents moisture buildup, and extends the life of your roof.

Drip Edge

- A small but important metal strip is installed along the edges of the roof.
- It directs rainwater into the gutters and protects the roof decking from water infiltration.





2. How Your Roof Gets Installed

Roof installation is a detailed process that combines craftsmanship and precision. Here's how it typically happens:

Step 1: Removal of the Old Roof

- The old shingles and underlayment are carefully stripped away down to the decking.
- Contractors inspect the decking for damage — any rotted or weakened areas are replaced.

Step 2: Deck Preparation

- Once the surface is clean and dry, the decking is secured and fastened properly.
- A drip edge is installed along the eaves to protect against water damage.

Step 3: Underlayment Installation

- The underlayment and ice/water shield are rolled out over the decking to create a moisture barrier.
- This layer is critical for long-term leak prevention.

Step 4: Flashing and Vent Installation

- Flashing is installed around chimneys, vents, and roof valleys.
- Ventilation components are positioned to ensure proper attic airflow.

Step 5: Installing the Roofing Material

- Shingles, metal panels, or tiles are laid in overlapping rows, starting from the bottom and working upward.
- Each piece is nailed or fastened according to manufacturer's specifications for durability and weather resistance.

Step 6: Cleanup and Final Inspection

- Once installation is complete, debris is removed, gutters are checked, and the roof is inspected for quality and safety.

3. Roof Installation Timeline and Tips

Typical timeline: 1–3 days for an average home (depending on size and weather).

Before installation: Move vehicles, cover attic items, and trim nearby branches.

After installation: Review your warranty and schedule periodic inspections to maintain performance.



The Result: A Strong, Weather-Ready Roof

A properly built roof is your home's first line of defense against the elements. Understanding the layers and installation process helps you make informed decisions — whether you're repairing, replacing, or building new.

A quality roof doesn't just protect your home — it adds value, efficiency, and peace of mind for years to come.

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