

# Unified Steel<sup>TM</sup> Cool Roof System

WARMER IN WINTER, COOLER IN SUMMER



# Unified Steel™ Cool Roof System



These components provide energy efficiency and give great return on your investment.



Shown in PINE-CREST Shake Country Blend



Warm air beneath the panels rises and escapes through the ridge vent

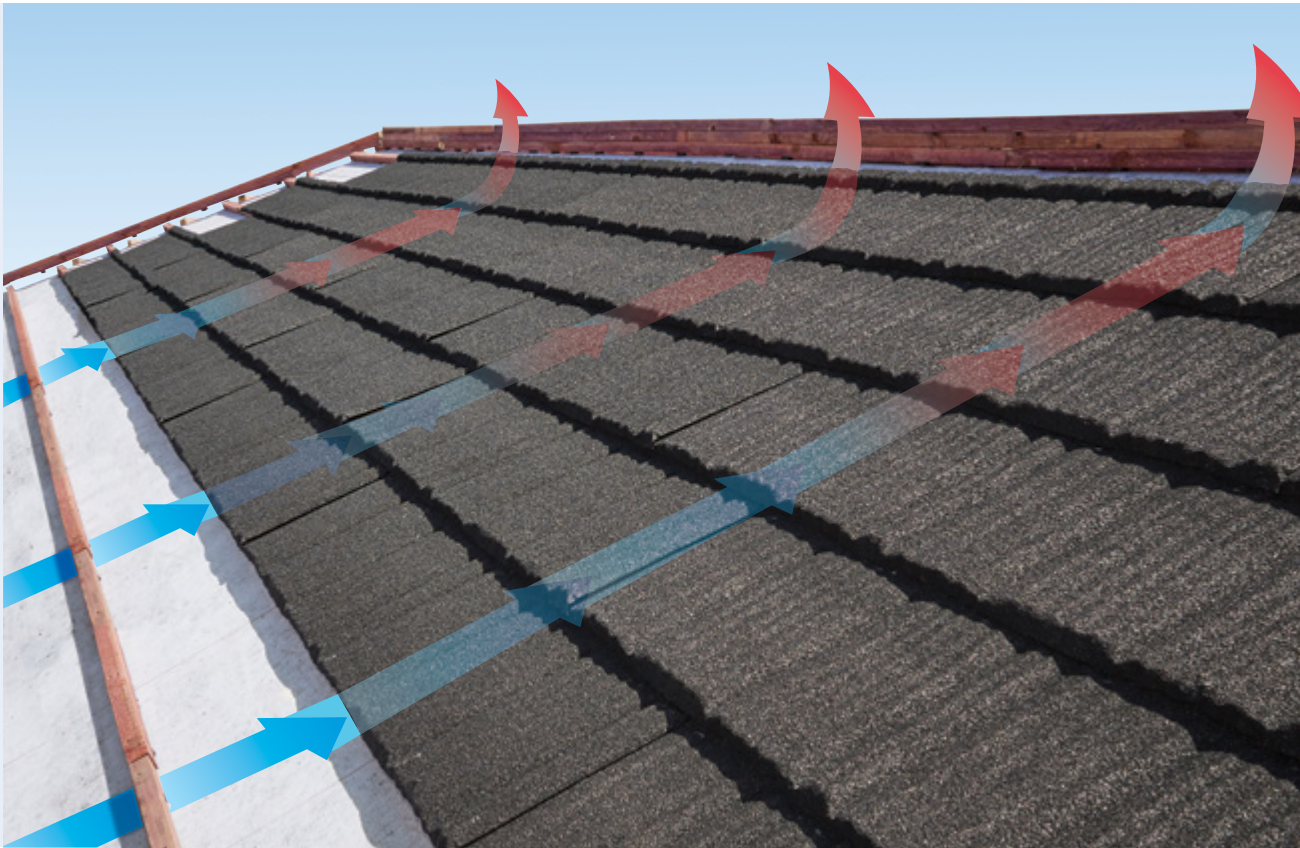


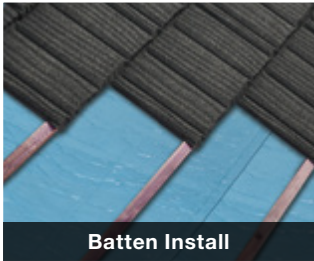
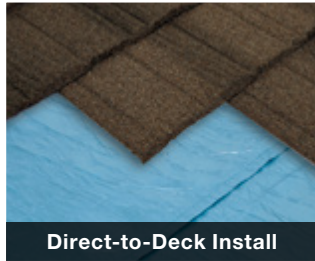
Image shown is during construction and is for demonstration purposes only.

## Above-Sheathing Ventilation (ASV)



Hot air rises by natural convection. Unified Steel™ Cool Roof System allows this warm air to rise and exit the roof system through the ridge vent. Continuous airflow across the roof deck creates a cooler attic and living space in the home.

A Unified Steel™ stone coated roof with ASV, installed direct-to-deck or with Westlake Royal™ Roofing Components' EBS battens, can help provide energy savings compared to asphalt shingles. EBS battens enhance the ventilation performance for greater energy efficiency.



- Sol-R-Skin™ BLUE Underlayment provides excellent performance benefits:**
- Class A fire rating under stone coated steel roofs
  - The aluminum foil facer & fiberglass creates an R5.5 insulation effect
  - Use in any climate at any temperature
  - 30 year limited warranty

Oak Ridge National Laboratory (ORNL) proved Elevated Batten System® on a dark roof is just as important as reflective roofs in achieving energy efficiency. ORNL's 12 month study on the effects of IR pigments vs. metal roofs installed with an airspace\* showed above-sheathing ventilation can reduce heat flow into a building by nearly 30%, reducing heat gains during summer and heat losses in winter.

\*The complete report is available for download from our website [WestlakeRoyalRoofing.com/Resources/Technical Bulletins](http://WestlakeRoyalRoofing.com/Resources/Technical%20Bulletins).





Standard  
Asphalt Shingle

**147°**

Attic Temperature\*



Direct-to-Deck  
Stone Coated  
Roofing System

**89°**

Attic Temperature\*

PINE-CREST Shake | Barclay

# Why Steel?

## Energy Efficient

Attic temperatures measured using identical heat sources simulating the sun's radiation comparing Unified Steel™ Cool Roof System to a common asphalt shingle installation. The result is less heat in the attic and lower energy bills.

\*Attic Heat Transfer test available at [WestlakeRoyalRoofing.com](http://WestlakeRoyalRoofing.com) see resources section for details.

### ABOUT BEST BUY METALS

Best Buy Metals is America's source for permanent steel roofing and siding - from standard metal roofing and concealed fastened standing seam systems, to metal tile roofing, metal shingles, metal slate roofing, and metal shake roofing. From quick quotes from your address, to comprehensive quotes from your blueprint, we offer start-to-finish customer service to roofers and homeowners across the United States and beyond.

### ABOUT STONE COATED METAL ROOFING

A heavy 26 gauge Galvalume (zinc-aluminum) steel, with stone granules embedded into an acrylic base coat allow stone coated steel roofing to handle everything from Miami-Dade Hurricane Zones to Texas windstorms. Extreme durability and wind resistance that lasts a lifetime.

For more information, please visit [BestBuyMetals.com](http://BestBuyMetals.com). Follow us on LinkedIn, Instagram and "Like" us on Facebook.



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