

Unified Steel[®] Cool Roof System

WARMER IN WINTER, COOLER IN SUMMER

Unified Steel® Cool Roof System



Unified **STEEL**®
STONE COATED ROOFING



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



Shown in PINE-CREST Shake Harborwood

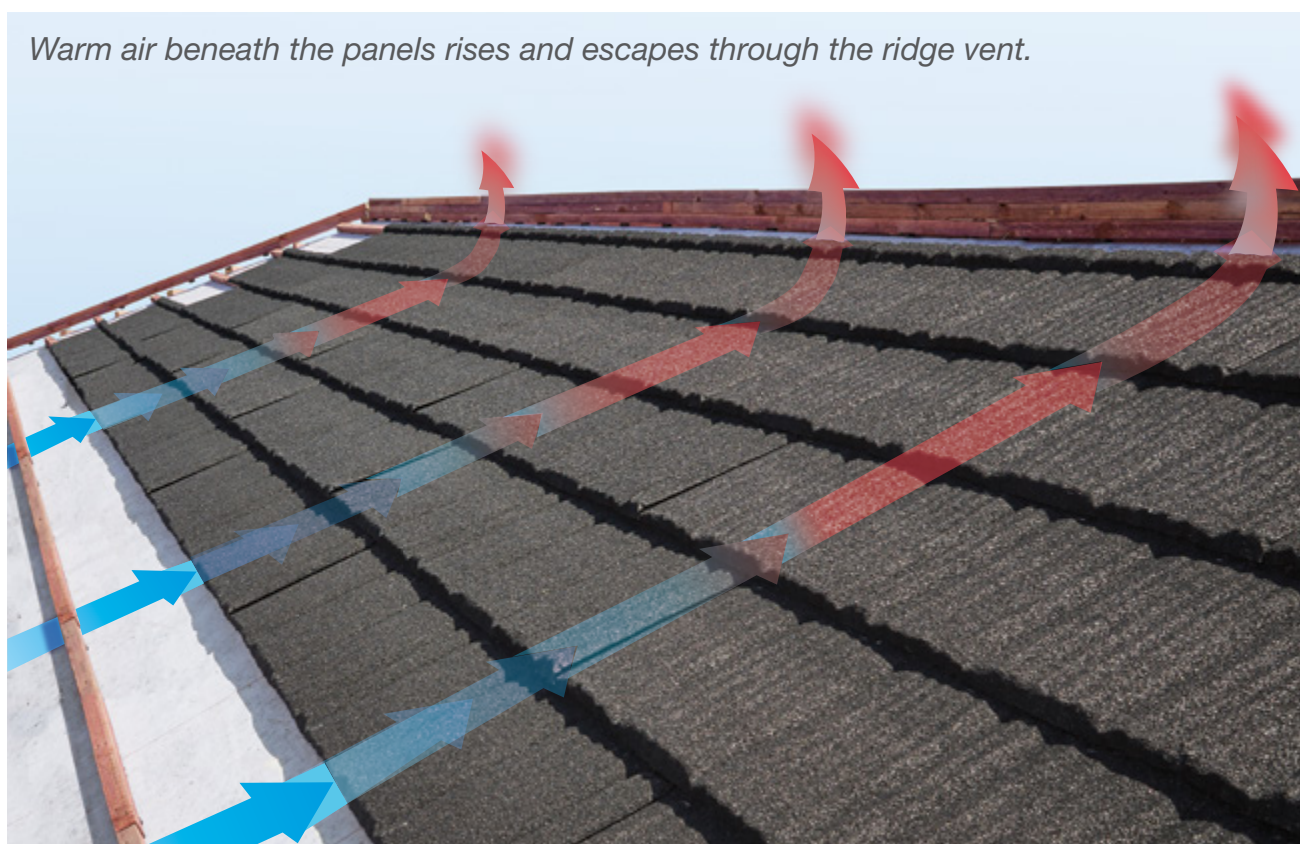
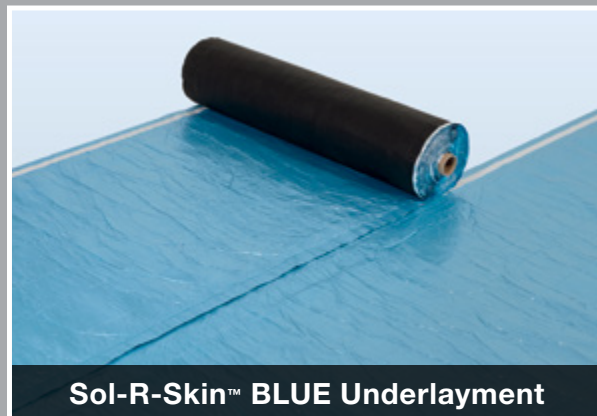
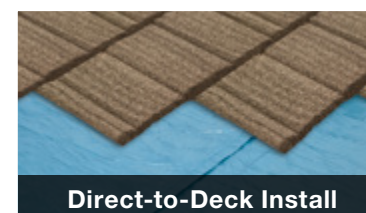


Image shown is during construction and is for demonstration purposes only.

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:

- R 2.2 insulation above the roof deck for Direct-to-Deck installation
- R 5.5 insulation with stone coated steel and standard 2"x2" battens
- R 6.6 insulation with stone coated steel and EBS battens
- Class A fire rating under stone coated steel roofs
- Heat reducing radiant barrier over an insulating fiberglass blanket
- Cool blue surface helps to reduce sun glare during installation
- 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 Cool Roof Technical Bulletin with complete report is available for download from our website WestlakeRoyalRoofing.com/Resources/Steel/Technical/



For more information about Cool Roof System, please visit our website at westlakeroyalroofing.com/cool-roof-system/

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 see resources section for details.

BE BOUNDLESS™

THE PRODUCTS TO DO EVERYTHING. THE POWER TO DO EVEN MORE.

There are no limits to how far we innovate, how deeply we express, how strongly we commit and how boldly we go. **Together let's Be Boundless™.**

SIDING & ACCESSORIES TRIM & MOULDINGS ROOFING STONE WINDOWS OUTDOOR LIVING

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Part# AC673 05/25 | UNS396750

