

Boral Steel™ Cool Roof System

WARMER IN WINTER, COOLER IN SUMMER



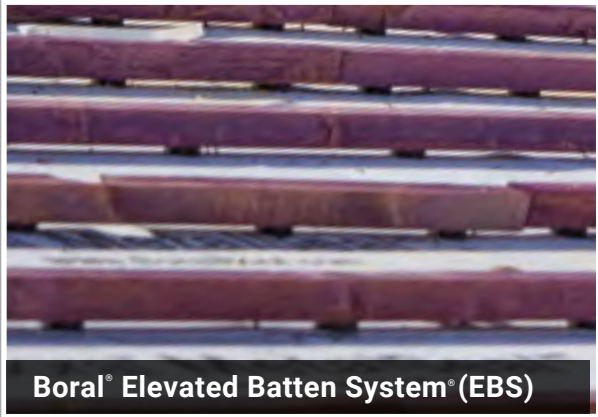
Boral Steel™ Cool Roof System



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



Shown in PINE-CREST Shake Charcoal



Hot air rises and is vented off the roof.



Above-Sheathing Ventilation (ASV)



Hot air always rises and creates a natural convection effect. This allows the heated air to be exhausted through ventilation, which causes a continuous airflow across the roof deck. The result is a cooler attic and living space in the home.

No matter the install method, direct-to-deck or EBS battens, a Boral Steel™ Stone Coated roof with ASV can help provide energy savings compared to asphalt shingles.

The Oak Ridge National Laboratory (ORNL) conducted a 12-month study on the effects of high IR pigments vs. metal roofs installed with an airspace*. The study showed that above-sheathing ventilation can reduce heat flow into a building by nearly 30%. This can lead to an increase in year-round energy efficiency by reducing heat gains during the summer and heat losses during the winter. These dramatic results prove Boral's Elevated Batten System® is just as important to achieving energy efficiency as reflective roofs.

*The complete report is available as well.



Asphalt Shingle

147°

attic temperature*



Boral Steel
Stone-Coated
Roofing System

84°

attic temperature*

Why Steel?

Energy Efficient

Attic temperatures measured using identical heat sources simulating the sun's radiation comparing Boral Steel™ Stone Coated Roof System with Above-Sheathing Ventilation (ASV) to a common asphalt shingle installation. The result is less heat in the attic and lower energy bills.