



# SMART Brief

T E C H N I C A L B U L L E T I N

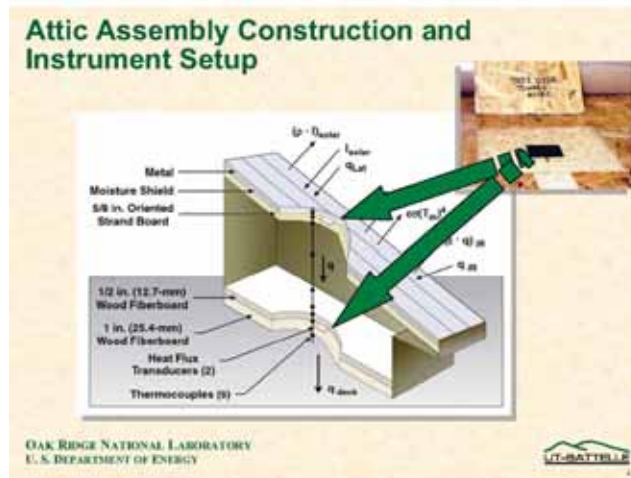
**DATE:** 8 January 2009 **No:** SB-16-010809-Rev-111609  
**TO:** Contractors & Distributors **Page** 1 of 2  
**FROM:** Metro Technical Services Division  
**SUBJECT:** METRO ABOVE SHEATHING VENTILATION (ASV) BENEFITS

## ASV- Above Sheathing Ventilation

Based on the original 12-month long, full-scale, outdoor test performed at Oak Ridge National Laboratory (ORNL) and in conjunction with the Department of Energy (DOE) at Knoxville TN, during 2005, the attached pages have been excerpted from the overall report. "The Effects of Infrared-Blocking Pigments and Deck Venting on Stone-Coated Metal Residential Roofs", by, William A. Miller PhD, dated January 2006

## Background

Stone-Coated steel roofs manufactured by Metro Roof Products due to their design and install process automatically provide an Above Sheathing Ventilation (ASV) space directly above the solid or spaced sheathing on residential or light commercial construction. It's this air-space that has been proven to provide excellent insulation benefits to the structure and based on the ORNL ASV Testing (referenced above). Roof systems like Metro's with an 'Above Sheathing Ventilated' space (ASV) provide energy efficiency equal to a 25% total solar reflectance baseline asphalt shingle.



## Conclusion

This means consumers and builders alike can now use a roofing product (Metro Shake, Tile or Roman Tile profiles) that incorporates a 3/4" air-space above the sheathed roof deck, as a truly energy efficient roof.

Refer to: <http://www.energy.ca.gov/2008publications/CEC-400-2008-001/CEC-400-2008-001-CMF.PDF>  
(For more detail download the SMART-Brief # 010809-Appendix)

## Metro Roof Products

3093 'A' Industry Street  
Oceanside CA 92054  
Tel: (760) 435-9842  
Fax: (760) 435-1162

[www.smartroofs.com](http://www.smartroofs.com)

Metro Roof Products SMARTBrief Technical Bulletins are for use by all Metro Roof Products customers. Each SMARTBrief is coded with a reference number and can be used to support various trade practices that are acceptable to, and have met Metro Roof Products quality standards in effect at the time. Metro Roof Products reserves the right to amend or update these SMARTBrief Technical Bulletins at any time.

C:\Users\Pete\Documents\TECHNICAL\SMART Briefs\016-010809-Rev111609Metro ASV-Benefits.doc