



# SMART Brief

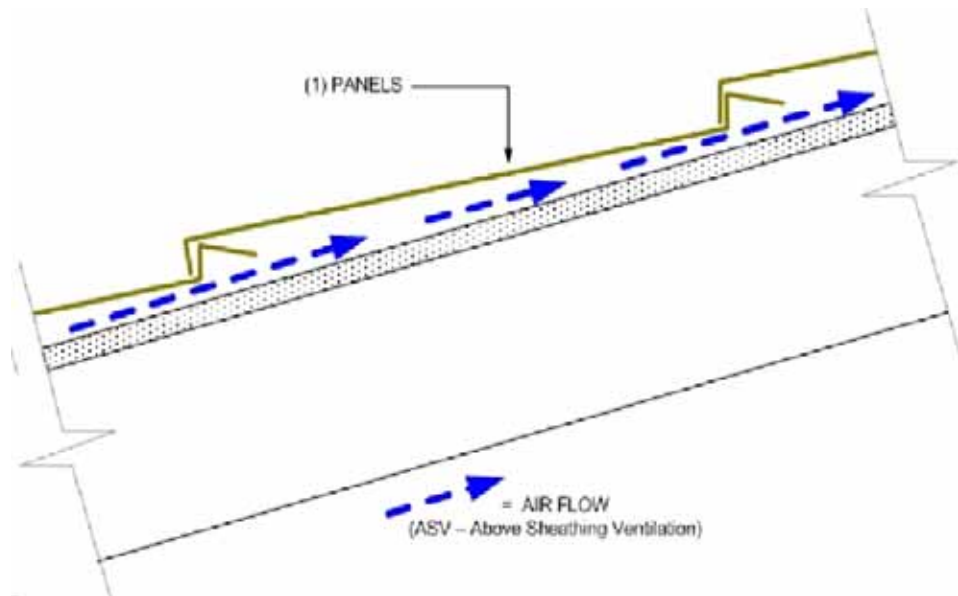
T E C H N I C A L B U L L E T I N

**DATE:** 12 January 2010                      No: SB-18-011210  
**TO:** Contractors & Distributors              Page 1 of 2  
**FROM:** Metro Technical Services Division  
**SUBJECT:** METRO ABOVE SHEATHING VENTILATION (ASV) TITLE-24 COMPLIANCE

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## ASV- Above Sheathing Ventilation

Metro Tile, Shake & Roman panels installed in either a 'Batten' or 'Batten-Less' configuration meet California's Title-24 Energy Code due to their built-in air-space design that creates an Above Sheathing Ventilated (ASV) space above the spaced or solid sheathed roof deck.



## Conclusion

The panel design creates an air-space across the roof deck that meets California's '2008 BUILDING ENERGY Efficiency Standards for Residential and Non-Residential Buildings', Eff., Jan-1, 2010, which allows exceptions to installing a 20% reflective roof covering by installing a roof that provides either insulation with a thermal resistance of at least 0.85hr-ft<sup>2</sup>-F/Btu (R-0.85) or a least a 3/4" inch air-space is added to the roof deck over an attic.

**NOTE:** Attached is a sample Metro Pallet label that shows compliance with the Title-24 Energy Code, Exception clause: "**ALTERNATIVE TO SECTION 152(b) 1Hi and ii:** The following shall be considered equivalent to Subsection I and ii:

- a. Insulation with a thermal resistance of at least 0.85hr-ft<sup>2</sup>-F/Btu or at least a 3/4 inch air-space is added to the roof deck over an attic; or.."

Refer to: <http://www.energy.ca.gov/2008publications/CEC-400-2008-001/CEC-400-2008-001-CMF.PDF>


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:\Documents and Settings\Pete\My Documents\TECHNICAL\SMART Briefs\018-011210MetroASV-Title-24-Compliance.doc

## **Metro Roof Products**

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<b>PROFILE</b>	Metro-SHAKE-II	
<b>COLOR</b>	<p><i>NOTE: The Metro Factory selects the appropriate Panel label &amp; color at the time of manufacture.</i></p> <h1>Any Color</h1>	

<b>QUANTITY</b>
<b>400</b> Panels
Mfg. Code
<i>NOTE: The Metro Factory applies a unique date code in this box at the time of panel manufacture.</i>

*Pallets to be stored INSIDE or covered with a waterproof tarp if outside.*



**PREPARED ROOF COVERING MATERIALS  
DEGREE OF RESISTANCE TO EXTERNAL FIRE - CLASS A OR B  
METAL ROOF DECK PANELS  
AS TO UPLIFT RESISTANCE  
CLASS 90  
AS SHOWN BY CONSTRUCTION NO(S). 635 and 636  
SEE UL ROOFING MATERIALS AND SYSTEMS DIRECTORY  
ALSO CLASSIFIED AS TO IMPACT RESISTANCE  
CLASS 4  
PREPARED ROOF COVERING MATERIALS  
FORMED METAL SHINGLE  
CLASS A OR B  
DEGREE OF RESISTANCE TO EXTERNAL FIRE  
AND FLAMMABILITY LIMITS  
IN ACCORDANCE WITH CAN/ULC-S107  
Control No. 88JM**

**Metrotile Manufacturing, dba Metro Roof Products, 3093 Industry St., Oceanside CA 92054**

ICC-ES Report No. ER-5218 & ER-5626 ---- Miami-Dade County FL Product Control APPROVED ---- UL-Listed R19204

**2008 BUILDING ENERGY Efficiency Standards for Residential and Non-Residential Buildings (TITLE-24) Eff. Jan-1, 2010**  
Roof Panels contained in this pallet, installed in either a Batten or Batten-Less configuration are compliant with the above standard.