



SMART Brief

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

DATE: 29 October 2013 (Rev) **No:** SB-18-11210 (Rev.,102913)
TO: Contractors & Distributors **Page** 1 of 1
FROM: Metro Technical Services Division
SUBJECT: **METRO ABOVE SHEATHING VENTILATION (ASV) TITLE-24 COMPLIANCE**

Metro TILE®, SHAKE® & ROMAN® panels installed in either a 'Batten' or 'Batten-Less' Configuration meets 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.

The Metro panel design creates an air-space of 1.0 inch that meets the exception requirement, (see a) in red below), of the California '2013 BUILDING ENERGY Efficiency Standards for Residential and Non-Residential Buildings', Eff., Jan-1, 2014, which allows exceptions listed below (a – g) to installing a roof that has a minimum aged Solar reflectance of 0.20 and a minimum thermal Emittance of 0.75, or a minimum SRI of 16.

EXCEPTION TO SECTION 150.2(b) 1hi: *The following shall be considered equivalent to Subsection i:*

- a. Air-space of 1.0 inch (25 mm) is provided between the top of the roof deck to the bottom of the roofing product; or***
- b. The installed roofing product has a profile ratio of rise to width of 1 to 5 for 50 –percent or greater of the width of the roofing product; or*
- c. Existing ducts in the attic are insulated and sealed according to Section 150.1('c)9; or*
- d. Buildings with at least R-38 ceiling insulation; or*
- e. Buildings with a radiant barrier in the attic meeting the requirement of Section 150.1('c)2; or*
- f. Buildings that have no ducts in the attic; or*
- g. In Climate Zones 10-15, R-4 or greater insulation above the roof deck.”*

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Refer to: <http://www.energy.ca.gov/2012publications/CEC-400-2012-004/CEC-400-2012-004-CMF-REV.pdf>

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