



SMART Brief

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

DATE: 13, May 2014 (Rev) No: SB-18-11210 (Rev.,51314)
TO: Contractors & Distributors Page 1 of 1
FROM: Metro Technical Services Division
SUBJECT: **METRO ABOVE SHEATHING VENTILATION (ASV) TITLE-24 COMPLIANCE**

Metro TILE®, SHAKE®, COTTAGE-Shingle™ & 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.

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.”*

Metro Roof Products

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

www.smartroofs.com

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

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