



# SMART Brief

## TECHNICAL BULLETIN

**DATE:** Thursday, February 23<sup>rd</sup>, 2006 **No:** SB-060202-Rev-82511  
**TO:** Contractors & Distributors **Page** 1 of 1  
**FROM:** Metro Technical Services Division  
**SUBJECT:** METRO SMART-VENT DETAILS

### Metro SMART-Vent:

The Metro SMART-Vents are unique in that they virtually eliminate traditional flashing detail necessary with large dormer vents. The Metro SMART-Vent available in all profiles allows an easy drop-in application and can enhance the overall look of a completed Metro roof, while also dramatically speeding up the process of installing adequate ventilation to a structure. The Shake & Tile versions install as regular panels, using fasteners along the front edge like field panels. The Shingle SMART-Vent covers two complete courses of Metro Shingles and has edge returns and a short course cleat to increase weather protection.

### SMART-Vent Details:

Each Metro SMART-Vent incorporates an internal 'Weather Stop' for further security in severe climate conditions and 'Bug Screen' protection that allows free flow of air through the vent.

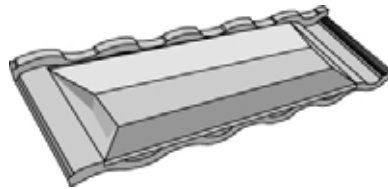
**MetroTile SMART-Vent**  
 52" Long X 14-1/2" deep X 3-1/2" high  
 NET FREE VENT AREA = 82.5Sq. In.



**MetroShingle SMART-Vent**  
 59" Long X 22" deep X 3-1/2" high  
 NET FREE VENT AREA = 90Sq. in.



**MetroRoman Tile SMART-Vent**  
 52" Long X 14-1/2" deep X 3-1/2" high  
 NET FREE VENT AREA = 82.5Sq. In.



**MetroShake & Shake-II SMART-Vent**  
 52" Long X 14-1/2" deep X 3-1/2" high  
 NET FREE VENT AREA = 82.5Sq. in.



### **INSTALLATION WARNING:**

*Apply a bead of sealant (Vulkem, NP-1, Sika1-A etc type) along the back vertical up stand & horizontal lip of each SMART-Vent, before installing the ridge panel above, use #10 X 2" Hex Head screws (1,000hr Salt Spray corrosion resistant type) to secure the nose of the Metro panel above to the SMART-Vent below.*

*To prevent rodents and other vermin from entering the attic space, the roof deck ventilation hole should be covered with 1/4"-inch square wire mesh.*

*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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